he Mining Journal

AND COMMERCIAL GAZETTE.

No. 173 .--- Vol. VII.

LONDON: SATURDAY, DECEMBER 15, 1838.

PRICE 6D.

R. KIRKMAN begs respectfully to inform his friends and the public, that the ROYAL DUCHY TIN and COPPER MINES are now divided into Five Thousand Shares of \$\mathscr{E}\$ each—either fully paid up, or in scrip payable by instalments in manner following: a deposit of \$\mathscr{E}\$? per share at the time of subscribing; \$\mathscr{E}\$ per share on April 18; and the remaining \$\mathscr{E}\$ i per share on April 18; and the remaining \$\mathscr{E}\$ i per share on April 18; and the remaining \$\mathscr{E}\$ i per share on April 18; and the remaining \$\mathscr{E}\$ i per share on April 18; and the remaining \$\mathscr{E}\$ i per share on April 18; and the remaining \$\mathscr{E}\$ in the size of the property of the standard pounds' worth of tin stuff is now at grass, and the undertaking presents a prospect of its proving, to a great extent, the most profitable in this lingdom. All letters must be post paid.

GLAMORGANSHIRE. ANTHRACITE COAL AND IRON STONE.

TO BE LET, ON LEASE, and entered upon immediately, ALL the VEINS of ANTHRACITE COAL, STONE COAL, and CULM, under those Farms, called "Ynysygelnon," "Ynysycl," "Penygraig," and "Penrhiw," situate in the parish of Kilybebill, containing upwards of SEVEN HUNDRED ACRES.

Two veins have been opened, and worked by level. There is scarcely any Coa pit Timber required, the roofs being excellent. There is a Railroad belonging to the property, communicating with the Swanses Canal, which is distant about four hundred yards from the Colliery, and from thence to the scaport of Swansea is ten

hundred yards from the Collery, and from thence to the season to what in the called the collection of the called the call

VEINS OF IRON ORE, of a superior quality, which will be let with the Coal.

There is no situation in the Anthracite Coal district that offers a more eligible sizuation for the erection of Furnaces than this property. Any quantity of land may be had for that or any other purposes, the same being situated between the River fawe and the Swansea Canal, the water from which river may be applied to machinery for carrying on the works.

For terms and further particulars apply to Mr. Thos. Thomas, solicitor, Swansea.

STEAM-ENGINES, PUMPS, &c., FOR SALE.—To be Sold, by Private Contract, at East Crinnis Mine, near St. Austell. Comment by Private Contract, at East Crinnis Mine, near St. Austell, Cornwall, the wing one 76 inch Cylinder Steam-Engine, with Steam Case, complete (length oke in the cylinder 10 feet 4 inches, in the shaft 7 feet 3 inches), and Four rs, about 48 tons.

oners, about 48 tons.

One 41-inch Cylinder Steam-Engine, with Steam Case, complets (length of stroke the cylinder 10 feet 4 inches, in the shaft 7 feet 3 inches), and Two Boilers, bout 14 tons.

in the cylinder 10 feet 4 inches, in the shaft 7 feet 3 inches), and Two Bollers, about 14 tons.

One 18-inch Cylinder Steam-Engine, with Steam Case, complete (length of stroke if feet), with Whim Cage, and One Boller, about 3 tons.

One 16-inch Cylinder Steam Engine, with Steam Case, complete (length of stroke if feet), with Whim Cage, and One Boller, about 5 tons.

One 16-inch Cylinder Steam-Engine.

Thirty-nine athoms of 19 inch, and Twenty-one fathoms of 18-inch pumps.

Three ditto of 16-inch, and Thirty-seven ditto of 15-inch ditto.

Ten ditto of 14-inch, and Eight ditto of 13-inch ditto.

Ten ditto of 14-inch and Eight ditto of 13-inch ditto.

Ten ditto on 17, and One 16-inch H pieces.

Three 19, One 17, Three 16, One 14, One 13, One 12, and Two 16-inch Doorpieces.

Tour 17, Two 13, Two 10, One 9, and One 44-inch Working Barrels.

Two 19, One 18, One 174, One 16, Three 14, One 13, and One 11-inch Windbores.

Two 19, Two 18, One 195, Two 11, and Two 10-inch Plunger Poles, with Cases.

Stuffing Boxes, Glands, and Brass Rings to fit.

Thirty-four Matching Pieces, of different lengths and sizes.

Several Turn. Crooked, and Branch Steam Pipes.

Four Fathoms of a Cast-iron Sheft, 6 feet diameter.

A quantity of Rod-plates, from 5 to 7 inches wide, Plat Rope Pulleys.

Brasses, and other articles calculated for mining purposes.

For viewing the Engines (either of which may be sold with or without the Boilers within Cages), apply to the Agents on the Mine, and for further particulars to laptain Fra. cis Barratt, at the Charlestown United Mines.

RETOIL-TO BE SOLD BY PRIVATE CONTRACT,

nd very valuable FARM, being a THE ESTATE OF TRETOIL,

THE ESTATE OF TREFOIL.

Situate in the parish of Lanivet, in the county of Cornwall, distant about two miles from Bodmin, now in the occupation of Mrs. Spargo, widow.

This property consists of a Farm-Bouse, and out-houses, garden, orchard, now-hay, and about thirty-seven acres of arable, meadow, and pasture land, now let at a reduced rent.

The more particular attention, however, of the capitalist is directed to the very valuable mineral discoveries which have been recently made throughout the whole estate, and in which the proprietor is interested to the extent of one quarter, particularly with reference to copper, a considerable quantity of which has aircady been and is now in course of raising, and which must necessarily afford a very large return to the owner.

The tenant will show the premises, and further particulars may be obtained (if by letter, to be postage paid), by application to Mrs. Susanna Henwood, Rosewynrow, Truto; or to Messra. Thomas and Hawkins Henwood, of St. Issey.

Dated this 14th day of December, 1838.

**Continuous and the state of the continuous and continuous and continuous and continuous and continuous and conti

M UIRKIRK IRON WORKS.—For SALE, those well-known UIRKIRK IRON WORKS.—For SALE, those well-known and recently extended IRON WORKS carried on at Muirkirk, in the cunty of Ayr, with every capability for the production of pig iron and castings, folled and hammered bar iron, uses and implements, with all the necessary machinery and spparatus, great extent of power both by water and steam, and the whole in good working condition. They are situate on the banks of the river Ayr, and have waterfalls equal to about 160-horse power, which are supplied at all sasons of the year from large reservoirs. The mineral field is rich and extensive, and amply sitted with pumping and winding engines. The lordships are reasonable, and an abundant supply of excellent materials can be raised and delivered at the works by saliway or canal at very moderate rates. The accommodation for managers, overseers, clerks, and workmen, is very complete. The farm consists of about 175 imperial scres, the greater part of which is well drained and highly improved land, and there is a large extent of buildings for agricultural and dairy purposes.

For further particulars application may be made to Mr. Matthew Cruicknank, 36, George-sequare, or to Messrs. Moncrieff and Paterson, writers, Glasgow; to Messrs. Walker and Melville, W.S., Edinburgh; to Messrs. Crawshay and Co., London; to Messrs. Samuel Lacon, Liverpool; to Messrs. Cowan and Sloans, Ayr; or to the managers of the works, at Muirkirk.

CROYDON TRUNK RAILWAY.—Parties having business in this important railway, commanding the trade of the whole country south and south-east of London, now on the eve of completion, may obtain facilities in its transaction by application to THOMAS ALLSOP, Share Broker, 34, Cornhill, who will afford every information as to its progress and prospects. Business in all the railways, most of which being now in progress, furnish data which, by judicious comparison, may serve as a guide to the purchase, sale, or exchange, thus avoiding the less and ruin attendant upon premature investment, or the not less sacrifice attendant upon premature sale, under the influence of temporary depression.—34, Cornhill.

PIRMINGHAM AND DERBY JUNCTION RAILWAY.—
TENDERS FOR LOANS.—The directors of the Birmingham and Derby Junction Railway Company are prepared, under the powers of their Act of Parliament, to receive TENDERS for the LOAN of MONEY, in sums of not less than \$200 each, on interest at the rate of \$ per cent. per annum, for a term not less than three years. The Tenders are to express the sums, and the term of years for which the same are proposed to be lent.

The Tenders to be addressed to the Secretary, at the Company's offices, Water-too-street, Birmingham; or to Messrs. Laurence, Cazenove, and Co., Auction Mart, London.

By order, THOMAS KELL, Secretary.

Dated this 14th day of November.

DEAL PIER COMPANY.—TO CONTRACTORS.—The board of directors are ready to receive TENDERS for the performance of the works in and about the CONSTRUCTION and ERECTION of a PIER off the town of Deal, according to the plans, sections, and specifications, which may be seen on application at the office, as under. Tenders must be delivered, scaled up, and addressed to the board of directors of the Deal Pier Company, and endorsed "Tender for Works," on or before Saturday, the 5th of January next.

By order of the directors, 15th Deal Pier Company, and Elifa to the Deal Pier Company, and Elifa to the Deal Pier Company, and endorsed "Tender for Works," on or before Saturday, the 5th of January next.

By order of the directors, 15th Deal Pier Company, and Elifa to the Deal Pier Company, and

59, Old Broad-street, London; Dec. 6. JOHN BIGG, Clerk.

REAT NORTH OF ENGLAND RAILWAY.—The directors of this company, in conformity with a resolution of the last Half-Yearly General Meeting of proprietors, hereby give notice that they are ready to RECEIVE TENDERS for LOANS, in sums not less than #550, to be secured by the company's londs, for any term not exceeding dive years not less than three years. Interest to be paid half-yearly, at the rate or 5 per cent. per annum. The tenders to be addressed to the secretary of the company, as below, from whom further information may be obtained; or from H. Pattison, Esq., the company's London agent, at his office, 13, George-street, Mansion-house, London.

By Order, J. MILLER, Secretary.

Great North of England Railway Office, Darlington, October 18, 1838.

The directors of the York and North Midland Raliway Company will meet at their office, St. Leonard's place, York, on Thursday, the 26th December, at Eleven Pelock, to receive TENDERS for the following contracts:—

FAIRBURN CONTRACT—To make and maintain the raliway, with all the exavations, embankments, tunnels, bridges, culverts, drains, fences, and gates combilete; also a viaduct over the River Aire, at Fairburn, including the laying and islating the permanent way (but exclusive of stone blocks, wooden sleepers, alls, chairs, and fastenings), commencing at a point sixteen chains east of the road and and adding from Ferrybridge to Boroughbridge, and terminating at a point seventy-ince chains west of the centre of the River Aire, being a distance of one mile, fifty—the chains west of the centre of the River Aire, being a distance of one mile, fifty—the chains, or thereabounts.

nine chains west of the centre of the River Aire, being a distance of one mile, Rrytwo chains, or thereshouts.

ALTOFFS CONTRACT.—To make and maintain the railway, with all its works, in like manner, commencing at a point in the township of Whitwood, and terminating at the junction with the North Midhand Railway, in the township of Altofts, being a distance of about two miles.

Drafts of the contract, with plans and specifications of the works, will be ready for inspection at the engineer's office, York, original after the 28th November, when printed forms of tender may be had, and no other will be attended to.

The tenders must be delivered at the Railway Office, St. Leouard's place, York, on the 29th of December, at or before Ten o'clock in the fore-noon, under sealed cover, addressed to the chairman, and endorsed "Tender for Works," and parties tendering, or parties duly authorised by them, must be in attendance at the time of meeting.

tendering, or parties duly authorised by them, must be in attendance at the ume of meeting.

The parties whose tender is accepted will be required to enter into a bond, with which we are the contracted for, and the names of the proposed to per cent. upon the gross sum contracted for, and the names of the proposed sureties are to be specified in the tender.

The directors will not bind themselves to accept the lowest tender, GEORGE HUDSON, Chairman and Deputy-JAMES MEEEK, Chairman By order, GEORGE BAKER, Secretary.

York and North Midland Railway Office, York, Nov. 8.

ONDON AND CROYDON RAILWAY.—The Directors will RECEIVE PROPOSALS from parties desirous of TAKING the RE
MAINDER of the BONDS, authorised by the last Half-yearly General Meeting of
proprietors. The bonds to be issued under the provisions of the Company's Acts
of Parliament, in sums not less than £500 each, to be re-paid on the 16th of July,
la48, and to bear interest at 5 per cent. per annum, payable half-yearly, on the
loth of Janaary and 16th of July.

R. S. YOUNG, Secretary.

1, Bank-buildings, December 5.

A NTI-DRY ROT COMPANY.-KYAN'S PATENT.

ANTI-DRY ROT COMPANY.—KYAN'S PATENT.—
Office, 2, Lime-street-square.
The directors of this company beg to solicit the attention of the public, and more particularly that of architects and engineers, to the importance of having the timber of such works in which they may be engaged effectually preserved from decay by being submitted to Kyan's process.
The directors have the satisfaction of stating, that the following eminent engineers have adopted Kyan's process for the preparation of timbers on the undermentioned important railway undertakings:

Engineers.
London and Birmingham R. Stephenson, Eaq.
Great Western J. K. Brunel, Esq.
North Midland G. Stephenson, Esq.
Manchester, Boiton, and Bury J. Hawkshaw, Esq.
London and Croydon Jos. Gibbs, Esq.
Liverpool and Manchester. G. Stephenson, Esq.
Loudon and Southampton. J. Locke, Esq.
The Ulster, York, & North Midland G. Stephenson, Esq.
Midland Grand Junction. W. D. Holme, Esq.
York and North Midland T. Cabry, Esq.
Midland Grand Junction. W. D. Holme, Esq.
York and North Midland T. Cabry, Esq.
London and Greenwich. Colonel Landmann.
Dublin and Kingstown Charles Vignoles, Esq.
Birmingham and Gloucester. Capatia Moorsom.
Maryport and Carliale. G. Stephenson, Esq.
Lianelly M. Alfred Thomas.
E. mingham and Derby G. Stephenson, Esq.
Lianelly M. G. Stephenson, Esq.
Licenses are granted by the Company for the use of the patent process to architects, engineers, railway companies, timber merchants, and nobleman and private eatlemen for their estates.

POYAL CORNWALL POLYTECHNIC SOCIETY The

POYAL CORNWALL POLYTECHNIC SOCIETY.—The following sums have already been placed at the disposal of the society, for the purpose of promoting the application of machinery to facilitate the ascent and descent of miners in the deep mines of Cornwall:—

Charles Fox, Esq. #100

G. C. Fox, Esq. 100

Right Hon. Lady Basset 100

R. W. Fox, Esq. 50

J. H. Transayss, Esq. 50

Rev. Canon Rogers 50

Davies Gilbert, Esq. 90

W. M. Tweedy, Esq. 10

Rev. E. Rodd, D.D. 50

H. English, F.G.S., Editor of the Mining Journal 10

The society is ready to receive proposals from the mines, which should contain a description of the shaft; drawings and specifications of the intended machinery; the period of time required for its completion; an estimate of the expense; and the amount of contribution which will be expected.

The proposals must be sent to the secretaries before the 29th of December next. They will not be opened before the meeting of the committee, if sealed and endorsed accordingly.

ordingly.

Jiculars giving further information, and containing engravings of the plan now poperation in the Harz Mines, with some suggestions of improvement on the ne, may be obtained of the secretaries or agents.

line these circulars were printed, another plan has been received from Hanover, ich may be seen on application to the secretaries.

By order of the committee,

LOVELL SQUIRE,

T. H. JORDAN,

Palmouth.

Just published, neatly printed in 8vo., price 4s. 6d.,

MOXON'S CHEMICAL MINERALOGY;
containing a concise and general description of each mineral substance,
upon an entirely new system; together with the Foreign Mineralogical Nomen-

tly revised.

andon: Published by JAMES WACEY, Old Broad-street.

MINING.

To be published by subscription, price Two Guineas, a Mathematical Work, entitled

The Mine Surveyor's Assistant; or, Dialler's Ready the Reckoner, computed expression of the computed of the computed

THE AMERICAN JOURNAL OF SCIENCE AND ARTS

THE AMERICAN JOURNAL OF SCIENCE AND ARTS, No. LXXI., for October, 1838, Conducted by PROFESSOR SILLIMAN, price 8.6d.—Contents:

Life and Character of Nathaniel Boriditch, LL.D., &c., by the Rev. A. Young. Remarks upon East Florida in 1838, by Major Henry Whiting.
Geology of St. Croix, by Professor S. Hovey.
Geology of Antigua, by Professor S. Hovey.
Geology and Togography of Western New York, by G. E. Hayes.
On Electro-Magnetism as a Moving Power, by G. G. Page, M.D.
Magnetic Electropeted and Eletrotoms, by C. G. Page, M.D.
On the Vascular System of Ferns, and notice of a monstrous flower of Orchis Spectabalis (with a plate), by Professor J. W. Balley.
On Fossil Infusoria, by Professor J. W. Balley.
Notice of Dauburite, a new mineral species, by Professor Shepard.
On Cavaties in Quartz, by Dr. Attice.
Atmospheric Origin of the Aurora, by B. F. Joclin, M.D.
Miscellanies, &c.

London: J. S. HODSON, Publisher and Importer, 112, Fleet-street.

THE CIVIL ENGINEER AND ARCHITECT'S JOURNAL,
SCIENTIFIC AND RAILWAY GAZETTE.—The December Number, price
1s. 6d., completes the first volume, and contains the Title, Preface, and Index; besides drawings and descriptions of a machine for cleansing rivers; wood pavement;
filtration of Thames water; Coles's patent anti-friction saliway carriage, and getting-out of cuttings and embantments; papers on the opnstruction of chinneys;
line and calcareous cement; and Morecambe Bay embankment, by Mr. Hague;
reviews of new books; progress of railways and buildings, and several professional
communications. Sold by H. Hooper, Pail Mail East; and Groombridge, Panyeralley, Paternoster row.—N.B. The first volume, bound in cioth and lettered in
gold, price 17s., is now ready.

approved—
It was resolved, That it is expedient to reduce the number of directors of the company; it was therefore Resolved, That the present direction be dissolved. Resolved, That five directors be appointed for the future management of the company's affairs, with power to add two to their number. Resolved, That John Harman, George P. Parkin, Angelo Solari, H. C. Moreton Dyer, and Stephen Geary, Esqrs., be directors of the company. Resolved, That 1150 shares, upon which the deposit has not been paid, be cancelled.

Resolved, That cordial thanks are due, and are hereby given, to the Chairman, or the able and impartial manner in which he has conducted the meeting.

By order, THOMAS FLOWER, Secretary, 16, Bishopsgate-street-within, Dec. 13.

WESTERN MINING ASSOCIATION.

ESTERN MINING ASSOCIATION.
For the investment of capital in the purchase of shares in approved Coraish Mines. (Proposed to be incorporated by Her Majesty's Letters Patent.)
Capital \$\frac{200,007}{1,100,000}\$ shares of \$\mathscr{E}\$ cach. Deposit \$\mathscr{E}\$! Subsequent calls not to exceed \$\mathscr{E}\$! per share in any one year.

This association was established about two years since, by a few individuals, for the purpose of investing capital in the purchase of shares in well-selected Mines in the county of Cornwall, in order to secure average profits with little fluctuation, Confidential information respecting the property now held by the association, also of the purchases in contemplation, the present profits, and expected dividends, may be had by applicants for shares, at the office of the secretary, Frederick Bankart, 34, Lement's-lane, Lombard-street, to whom applications for shares (postage paid) are to be addressed.

THE PATENT SAFETY FUZE, for BLASTING ROCKS in Mines, Quarries, and for Submarine operations. This article affords the safest, cheapest, and most expeditious mode of effecting this very hasardous operation. From many testimonies to its usefulness with which the Manufacturers have been favoured from every part of the kingdom, they select the following letter, recently received from John Taylor, Esq., F. R. S., &c. &c.

"I am very glad to hear that my recommendations have been of any service to you. They have been given from a thorough conviction of the great usefulness of the Safety Fuse; and I am quite willing that you should employ my name as evidence of this."

Manufactured and sold by the Patentees, BICKFORD, SENTER. and DAVEY, Camborne, Cornwall.

THE THAMES TUNNEL, entrance near the Church at Rotherhithe, on the Surrey side of the River, is open to the public daily except Sunday), from Mine in the morning until dusk. Admittance One Shilling each. Both Archways are brilliantly lighted with Gas, and the descent to them so by a new and more commodious staircase. The Tunnel is now upwards of \$20 feet in length, and completed to within a distance of less than 100 feet of low water mark on the Middlesex shore.

By order,

mark on the Middlesex shore. By order,

Thames Tunnel Office, Walbrook-buildings, Walbrook, December.

N.B.—Conveyances to the Thames Tunnel, by an Omnibus, from Charing-cross, Fleet-street, and Gracechurch-street; also by the Woolwich and Greenwich Steam Boats, at Hungerford, Queenhithe, Dyer's Hall Wharf, and London Bridge, every half-hour.—Books descriptive of the works are sold at the Tunnel, price One Shilling.

ONDON ZINC WORKS AND ROLLING MILLS, Wenlock-road, City-road,—Malleable Sheet Zinc, Zinc Nails and Tacks, Planished
Plates, of assorted sizes, for Zincography and Door-Plates, and Patent Zinc Slates
for Roofing, all of the VERY BEST QUALITY, will be promptly supplied to
Dealers and Consumers, on application to
JOHN BALL and Co.,
11, Finsbury-circus.

STANDARD of ENGLAND LIFE ASSURANCE COMPANY.
8, King William-street, City, and Regent-street, London.

street, City, and Regent-stre CAPITAL—ONE MILLION.

The Right Hon. The Earl OF CAVAN.

Major-General Christopher Hodgson, E.I.C.

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Esq.
J. Barrett Lennard, Esq.
J. Barrett Lennard, Esq.
George Whitehead, Esq.

W. Cory, Esq. | Major-General Christopher Hodgson, E.I.C. |
William Davis, Esq. | J. Cuthbert Joyner, Esq. | W. J. Richardson, Esq. |
William Gunston, Esq. | J. Barrett Lennard, Esq. | George Whitehead, Esq. |
LOWER RATES OF PREMIUM THAN THOSE OF ANY OTHER OFFICE.
Hence an immediate and certain bonus is given to the assured, instead of the remote and contingent advantage, officred by some companies, of a participation in their profits.

missions are allowed to solicitors and agents.
Increasing rates of premium,—twenty years' scale:

		nnual Premiu		, pa, abic aai	
Age.	First Five Years.	Second Five Years.	Third Five Years.	Fourth Five Years.	Remainder of Life.
	£ s. d.	£ s. d.	£ s. d.	£ 8. d.	£ s. d.
15	0 19 4	1 8 5	1 7 11	1 13 1	1 18 10
25	1 3 6	1 8 7	1 14 5	2 1 4	2 9 7
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45	2 4 6	2 14 8	8 7 4	4 8 6	5 4 3

By order of the Board of Directors, W. WRIGHT, Secretary.

NORTH BRITISH INSURANCE COMPANY, for Assurance on Lives and Survivorships, and likewise for the Purchase of Assurance on Lives and Survivorships, and likewise for the Purchase and Annuities. Established in 1809. Incorporated by Royal Charter Bank-buildings, Lothbury, London; and 1, Hanover-street, Edinburg Capital, ONE MILLION.

Capital, ONE MILLION.

PRESIDENT—His Grace the Duke of Sutherland.
LONDON BOARD.

PRESIDENT—The Earl of Camperdown.

Vice-President—Lord Viscount Strathalian.

BONDARKY MANAGERS.

J. Evan Baillie, Esq., M.P.
Lieut.-General Robert Bell.
Vice-Admiral Sir J. P. Beresford, Bart.

The Right Hon. Henry Ellis.

George Trail, Esq.

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George Trail, Esq.

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John Conell, Esq.
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Physician—John Webster, M.D., 56, Grovenor-street.

PRESIGNA—John Webster, M.D., 56, Grosvenor-atreet.

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The advantages offered to the public by this corporation are—
1. Ample security from their large capital.
2. Rates of premium nearly 5 per cent. lower than most other offices acting on the system of participation of profits.
3. Fremiums may be made payable either in a single payment, or by annual, half-yearly, or quarterly payments.
4. The assured may either participate in the profits secured against all responsibility by the capital of the corporation, or may pay a less premium for securing a specific sum without periodical additions.
5. When policies effected by parties on their own lives are assigned to others for onerous causes, the holders are assured against the risk of the original assured sying by suicide or duelling.

sying by sulcide or duelling.

6. Every facility given on moderate terms to persons going beyond the prescribe limits of the policy.

7. Advances made on security of policies of more than three years' standing, to the extent of their value.

8. A liberal price given for policies to parties wishing to surrender them.

9. Persons resident in the country can effect insurances by corresponding with the resident members of the board, Messrs. B. and M. Boyd.

Attendance daily at the office, 4, New Bank, Buildings, Lothbury, London, from Ten o'clock in the morning till Four in the afternoon, where tables of rates and forms of proposal may be obtained.

PREMIUMS

PREMIUMS For the Assurance of \$100 on a Single Life, either by Annual, Quarterly, or Half-yearly payments.

	For One	For Seven Years,	For the	whole Li	ife, with-	For th	Profits.	ife, with
Age.	Year.	at an An- nual Pre- mium of	Yearly.	Half- yearly.		Yearly.	Half- yearly.	Quarterly
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LAW INTELLIGENCE.

LONDON AND SOUTHAMPTON RAILWAY COMPANY.

LONDON AND SOUTHAMPTON RAILWAY COMPANY.

VICE-CHANCELLOR'S COURT—DEC. 8.

ATTORNEY-GENERAL T. THE COMPANY.—Mr. JACON moved for an injunction to restrain the company from interfering with the tumpike-road between Reading and Basingstoke, at the point where the line of the railway crosses the road on the side of Totterdown-hil, near Basingstoke, until they should have made another road in its stead as convenient for passengers and carriages as the present road; and that the ascent of the bridge or arch by which the diverted road should be carried over the railway should not exceed one foot in thirty feet, nor should be more steep than the inclination of the present road. This was an information at the relation of the trustees of the road, which complained that the company, in diverting the tumpike-road, were about to make the diverted road pass over a bridge with an ascent of one foot in twenty-eight.

Mr. K. BRUCE and Mr. DUCKWORTH opposed the motion, and insisted that the question ought to have been raised on a mandams. The matter was quite as fit for a ceurt of law as for this court.

His HONOUR observed, in the course of the argument, on the obscurity so often found in the language of Acts of Parliament, in the penning of which all the common rules of grammar were frequently disregarded; and in giving judgment he said, whatever might be the inaccuracy of the expressions in the clauses which sphied to this case, he thought when the Act spoke of "the present inclination of the tumpike-road," it was intended to apply to the inclination as it existed at the passing of the Act. And all he had to do was to determine whether the road, as it existed, would authorise a steepness in the substituted road of one foot in twenty-eight. He was not to judge of the abstract question what was beneficial to the publie. But, if he found an Act of Parliament declared that the steepness of a road should have certain limits, he was bound to declare that a road more steep than those limits and to the parliament declared that the ste

MANCHESTER AND BIRMINGHAM RAILWAY COMPANY.

MANCHESTER AND BIRMINGHAM RAILWAY COMPANY.

COURT OF CHANCERY—DEC. 10.

GREENHALGH E. THE COMPANY.—This was an appeal from an order of the Vice-Chancellor, discharging an injunction granted by him ex parte, which restrained the works of the Railway Company. The plaintiff claimed the performance of a contract entered into in February, 1837, for 7000 square yards of his land at Ardwick, near Manchester, and which was required for the then projected line from Manchester to Tamworth, by the South Union Company. There were two concurrent applications to Parliament by different projectors of two lines, the latter of which was called the Chester and Staffordshire line, which were amalgamated in a Committee of the House of Commons. Mr. Greenhalgh, the plaintiff, alleged that he was induced to assent to the Act of Parliament on the faith of the contract mentioned, but the intended line having been varied, a very small portion was required by the new company formed from the two intended projects (the present defendants), and they, therefore, declined to complete the contract.

Mr. Wigeam and Mr. Suttron Sharper, for the plaintiff, contended that the new company was bound to fulfil the contract of the former projectors with Mr. Greenhalgh, and they cited "Stanley c. Chester and Birkenhead Company," not yet reported. Their cilent would not have assented to the Act of Parliament on any other terms.

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The SOLICITOR-GENERAL contended that the present railway was a different undertaking, and that the conduct of the plaintiff amounted to a waiver of his former contract.

The further arguments in this case were concluded on Tuesday, when the Lord Chancellor said he would give his judgment on Thursday.

THURSDAY, DECEMBER 13.

The Lord Chancellor delivered his judgment to-day. The plaintiff had entered into a contract for the sale of a portion of his land to a company intended to be established, called the Manchester South Union Railway, and which, together with another also projected, called the Chester and Staffordshire Railway, was amalgamated into the Manchester and Birmingham Railway Company. Mr. Greenhalgh filed his bill against the present defendants on the ground that they were in substance the same company he had originally dealt with, and which he should have opposed, except on the faith that they would adopt the contract entered into by the South Union Company, and also an injunction in the mean time; the Vice-Chancellor dissolved the injunction granted by him exparle, whereupon the plaintiff came to this court. The first question was, whether Mr. Greenhalgh was in a condition to enforce any contract against the present defendants, but his Lordship said he need not enter into that, on account of the opinion he was about to pronounce in refusing the injunction. The facts of the case, as detailed in the voluminous affidavits filed, were of a nature to satisfy him that the plaintiff had so conducted himself as to lead the Manchester and Birmingham tiff had so conducted himself as to lead the Manchester and Birmingham tiff had so conducted himself as to lead the Manchester and Birmingham tiff had so conducted himself as to lead the Manchester and Birmingham tiff had so conducted himself as to lead the Manchester and Birmingham tiff had so conducted himself as to lead the Manchester and Birmingham tiff had so consucted himself as to lead the Manchester and Birmingham tiff had so consucted himself as to lead

PATENT SAFETY FUZE.

PATENT SAFETY FUZE.

VICE-CHANCELLOR'S COURT—DEC 10.

BICKFORD v. SKEWES.—Mr. JACOB, on the part of the defendant in this case, moved the court to dissolve an injunction which had been obtained by the plaintiffs, to restrain the defendant from manufacturing or selling an instrument used by miners in the operation of blasting rocks in mining, called the "Miners' Safety Fuze." The grounds on which the application was made, were stated by the defendant's counsel to be as follows.—That several years ago, the late Mr. William Bickford, of Camborne, in Corawall, obtained a patent, for an invention of a new instrument or machine for conveying fire to the charge in the operation of blasting rocks in mining, and which he denominated the Miners' Safety Fuze, and the present plaintiffs were the legates of the late patentee, and under title of the patent, and of Mr. Bickford's will, claimed the exclusive right of making and vending the articles in question, which were very extensively used in mining operations. The defendant, however, insisted that the invention claimed by Mr. Bickford, and for which he had so obtained the patent, was not in fact a new invention, but was previously well known to miners, and that Mr. Bickford had obtained a knowledge of the invention from a person supposed to be an Irishman, whose name was unknown, but who was recollected by several persons to have travelled about Cornwall with safety fuzes for exhibition, which were alleged to be precisely similar to those made by Mr. Bickford, and claimed by him as his own invention; and, under these circumstances, it was insisted by the counsel for the defendant, that Mr. Bickford, the patentee, was not the first inventor of the fuzes in question, and that the patente was therefore void, and the injunction ought to be dissolved.

Mr. Bethell followed on the same side.

The Vice-Chancellor, without calling on the counsel for the plaintiffs, stated, that upon the facts before him, it appeared that there had been an

Mr. Bethell followed on the same side.

The Vice-Chancellor, without calling on the counsel for the plaintiffs, stated, that upon the facts before him, it appeared that there had been an exclusive enjoyment under the patent for several years before the defendant commenced the infringement in question. That an injunction was immediately obtained by the plaintiffs to restrain that infringement, which not even an attempt had been made on the part of the defendant to disturb until February, 1838, when he gave notice of his present application to dissolve it, and from that period be had suffered his application to dissolve it, and from that period he had suffered his application to linger on with a meagre existence down to the present time. Under these circumstances, it appeared to him that there were no grounds for interfering with the injunction, and he should therefore refuse to dissolve it—the plaintiffs undertaking to bring an action for the infringement, according to the usual course of the court.

RESPONSIBILITY OF SHAREHOLDERS.

COURT OF QUEEN'S BENCH—DEC. 10.

THE BIRMINGHAM, BRISTOL, AND THAMES GRAND JUNCTION RAIL.
WAY E. LOCKE.—The Attorney-General and Mr. Shee appeared for the plaintiffs, and Sir W. Follett, Mr. Hoggins, and Mr. Locke, for the defendant.
This was an action to recover a sum of 2131. for calls made by the Railway Company, and not duly paid up by the defendant. The defence as, that the defendant had not duly become a member of the company, and that if he ever had been a member, his shares had been forfeited, and had been so declared by the directors in the manner directed by the private Act of Parliament under which the company had been established. The evidence on the part of the plaintiffs to prove that the defendant was a member of the company, was the common evidence given a such cases. In cross-examination the witnesses admitted that the defendant was not an original subscriber to the Parliamentary contract, and a considerable time was employed in ascertaining whether the shares, in respect of which he was now attempted to be fixed with liability in the present action, had not been held by other subscribers, it was proved for the plaintiffs that the defendant had come

with these scrip shares, and had claimed to be registered in the books of the company in respect of them, and that he had been so registered, and had claimed to vote as a member of the company. But then, on the other had, it was shown that there had been some proceedings with a view to forfeit his shares for not having compiled with the regulations of the company relating to the payment of the calls, and that he had been reduced permission to vote on that account. On the questions on these matters being submitted to his lordship,

Mr. Justice Colenidge said, that he thought enough appeared to show that the plaintiff had become a member of the company, so far as to be liable to the company for payment of these calls. On the other hand, the terms of the secretary's letter requiring payment, and declaring that a certain default would render his scrip shares forfeited, did not actually forfeit them, but merely announced what would be the consequence of a longer neglect. He did not, therefore, think that the shares had been forfeited, and he should direct a verdict for the plaintiffs, but would give the defendant leave to move the Court for a new trial, should his direction be deemed erroneous.

Verdict for the plaintiffs—Damages 2131.

WEST CORK MINING COMPANY. COURT OF EXCHEQUER-DEC. 12.

COURT OF EXCHEQUER—DEC. 12.

Hammon v. Timins.—Mr. Erle and Mr. Butt appeared for the plaintiff, and Mr. Kelly, with Mr. Henderson, for the defendant.

This was an action brought against the defendant, as nominal defendant under the act of Parliament incorporating the West Cork Mining Company, to recover from the company the sum of 1541., being the amount of salary due to the plaintiff as one of their clerks. The case for the plaintiff depended in a great measure upon the evidence of his engagement, which was to be gathered from the resolutions and minutes of the company's transactions, which, of course, were only to be furnished by the production of their books. These, however, being now in Ireland, whither they had been sent in pursuance of a notice to that effect, to await the hearing of a cause in the Court of Chancery there, and the notice to produce them in this cause having only been given on the 8th of this month, his lordship refused to allow the plaintiff to give secondary evidence of their contents. Another branch again of the case depended upon the reception of a book which was in the possession of the plaintiff, and which purported to contain an entry of the secretary, to the effect that the plaintiff had written a letter requesting remuneration for his extra labour, whereupon a resolution was passed that he should be paid fifty guineas for those past services, and that his fature salary should be increased from 80l. to 120l. per annum.

This Mr. Kelly, however, objected to, as being in fact an agreement for

guncas for those past services, and that his future salary should be increased from 80l. to 120l. per annum.

This Mr. Kelly, however, objected to, as being in fact an agreement for more than 20l., and therefore within the scope of the stamp act, and the objection being held to be good, the evidence was excluded.

Mr. Erls then went into evidence to prove the plaintiff's claim under the count upon an account stated, and having succeeded in that, a verdict was ultimately given in his favour for 13l. 6s., being the amount which the company's accountant had reported to them as being due to him after an inspection by him of the whole accounts in accordance with a resolution to that effect by the directors.

After the verdict had been given,

A Junos requested to be informed by his lordship whether from what had passed the public were to understand that no servant of a company could recover his salary against them unless the book containing the resolutions affecting them was stamped.

Lord Abinger.—Yes, sir, such is the law, if the books are produced as evidence of an agreement for a sum beyond 20l. as hire, and it only shows how careful all people ought to be in dealing with these companies. They insert in their own books the evidence of their bargains, and when they are produced against them, they instruct their counsel to object to them for want of a stamp.

SPECULATIONS IN SPANISH BONDS.

INSOLVENT DEBTORS' COURT-DEC. 12.

INSOLVENT DEBTORS COURT—DEC. 12.

James Jennery, a stock-jobber, was opposed by Mr. Woodroffe, on the part of Mr. May, a warehouseman in Cateaton-street, and Mr. Aaron, pawn-broker, residing at Whitechapel. He was supported by Mr. Cooke.

In this case the insolvency was ascribed to speculations in Spanish Bonds. His debts in the aggregate were \$600l.; of which sum he had, he alleged, received no consideration for 2333l., arising on "time bargains." The bond fide debts were 1324l. On the other side appeared the sum of 980l., and a quantity of furniture had been given up to the court.

adantity of furniture had been given up to the court.

Mr. Phillip May, the opposing creditor, stated that he had known the insolvent since they were schoolboys. The insolvent had been a clerk to Messrs. Ladbroke, the bankers. He had represented himself as possessed of sufficient property to live independent. He retired from the bank, and he (Mr. May) had every reason to believe that his statement was correct. The insolvent had spoken of speculations in the foreign funds, and asked him to join him. He declined to have anything to do with such speculations, as he always knew them to result in ruin. In June, 1837, the insolvent called on him. He said he was repairing his houses, and wanted about 100%, and asked him (Mr. May) to discount an acceptance for that amount. He objected to discount his acceptance, but after much persuasion he consented. taking at the rate of 10 per cent., the usual sum received in his business, He afterwards discounted other bills, the insolvent always representing that he had property. He had discounted bills to about 100%, and his debt now amounted to 295%. The discount on the whole was 28%. 7s. 6d. Mr. May said, if he had known his money had gone in Spanish Bonds, he would not have discounted the bills. The insolvent was always speaking of his rents, and also mentioned the deeds of some houses which were in the hands of Messrs. Ladbroke.

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Mr. George Mair, a builder, residing in Bethnal-green-road, said the insolvent on the 2d of July last called on him, at nine o'clock at night. He resided near his house. He asked him if he would discount his bill for 50l. He (Mr. Mair) told him he would let him know in the morning; and as early as seven o'clock he sent him a note, stating he could not, but he would get his b other-in-law, Mr. Aaron, to oblige him. He believed the insolvent was a respectable man, and he got the money.

Mr. Aaron stated that he discounted the bill. The insolvent told him at the time that he had several houses, and as he should receive his rents when the insolvent was involved in debt and speculations in Spanish Bonds, he should not have discounted his acceptance.

The insolvent, on his examination by Mr. WOODROFFE, said he was clerk in Messrs. Ladbroke's bank, and his father, until his death, was his security. He left his situation in 1834, when he was possessed of between 3000l. and 4000l.; he acquired that sum partly by speculations, perhaps 1000l. The house, he believed, were not aware that he speculated in the funds. The other part he had saved out of his salary of 190l., which he lwas enabled to do, as he lived with his father. He was about nineteen years in Messrs. Ladbroke's bank. His father was a man of property, and had assigned to him four leasehold houses. He died in October, 1836, leaving his property to his wife (insolvent's mother). The property was sworn under 10,000l. In 1834, he (the insolvent) was married, when he was possessed of upwards of 3000l. In the following year his losses on Spanish Bonds were verygrear his in Spanish Bonds were verygrear his bases on Spanish Bonds were verygrear his in Spanish Bonds were verygrear his in Spanish Bonds were verygrear his in the funds wit

various losses he had sustained by gambling in the funds. He had continued hoping against hope, and like a gamester, had staked his last, and now was in prison, having lost his own property and got considerably into debt. He contended that Mr. May had taken 10 per cent. interest to guard against losses, and was therefore not a person entitled to the protection of

is court.

The probate of the will of the insolvent's father was read. The property as settled on his (the insolvent's) mother.

The learned CHIEF COMMISSIONER adjudged the insolvent, from the date filing his petition, to an imprisonment (within the walls) of seven calendar conths, for incurring the debts with Mr. May and Mr. Aaron, without reasonable an applicable means of maring them. onable or probable means of paying them.

MELANCHOLY ACCIDENT.—On Thursday a melancholy and fatal accident happened at one of Mr. Snodgrass's coal-pits at Auchinlodmont, Johnstone. A young man named Wauchop, belonging to Elderslie, had come to the pit for a cart of coals for his master; and at the time a brace of coal was being removed from the pit-month, and just as the engine was about to hift an empty creel about to be lowered, Wauchop most incartionally attempted to pass between it and the pit-month, when the rising creel struck him, and threw him into the shaft; he held by the creel for a moment, but a bound of it against the side of the shaft threw him off, and he fell to the bottom slifeless corpse.—Glasgow Chronicle.

GOVERNMENT CONTROL OF RAILWAYS.

The following notice of the Government administration of railways, in the United States, France, and England, is extracted from the " Se Report of the Irish Railway Commissioners :-

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Report of the Irish Rallway Commissioners —

In all divides countries, and duration of the rights and powers granted to railway companies is limited to a certain period, or they are subject to superintendence and courton, and in some cases both restrictions are imposed. —

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RIOTS BY RAILWAY LABOURERS.

In consequence of the serious disturbances that have occasionally taken place among the labourers employed on the different lines of railway, and the doubt that appears to exist as to the powers possessed by the magistrates to establish a police for the protection of the peace, application has recently been made to the Secretary of State upon the subject; and within the last few days the following circular has been addressed to the clerks of the peace of the counties of Essex, Herts, and Surrey, in which three great lines of railway are at present in course of erection:—

"Whitehall, Dec. 1, 1838.

"SIR,—Lord John Russell having had his attention drawn to occasional instances of serious riots which have occurred on some of the lines of railway at present in execution throughout the country, and which have spread alarm in the different localities where they have occurred, has directed me to request you to bring under the notice of the magistrates acting for districts in the country of , in which such works are carried on, the act of last session, cap. 80, entitled 'An Act for the Payment of Constables for keeping the Peace near Public Works."

"A copy of this act will be sent to any magistrate who may have occasion to refer to it, on his applying for it.

By the act referred to magistrates are empowered to swear in any

By the act referred to, magistrates are empowered to swear in any number of special constables they may think necessary, and affix the amount of their pay, which is to be provided by the railway company upon whose line they are to be employed, if the company do not themselves appoint a number that is considered by the magistrates sufficient for the preservation of the public peace. Within the last few days the directors of the Eastern Counties and the London and Brighton Railway, who have been communicated with on the subject by the bench of magistrates in their respective localities, have established a permanent police, in accordance with the wishes of the magistrates, for the protection of the peace. It is to be hoped that this will have the effect of preventing any such serious breaches of the peace from again taking place.

Great Morth of Regined Bell may Office, Declington, Oct.

PROCEEDINGS OF PUBLIC COMPANIES.

BRITISH ASPHALTUM AND PATENT COAL COMPANY.

A special general meeting of the shareholders of this company, convened by requisition, was held at the offices, Bishopsgate-street, on Wednesday, the 12th inst.

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BRITISH ASPHALTUM AND PATENT COAL COMPANY.
A special general meeting of the shareholders of this company, convened by requisition, was held, at the offices, Bishopsgate-street, on Wedneaday, the 12th inst.

H. C. Morrow Dyra, Esq., in the chair.

The requisition calling the meeting, in accordance with the deed of settlement, to adopt such measures as they might deem expedient to carry out the objects of the company, algaed by shareholders holding 1000 shares, was first read.

The report of the directors, on the state of the company, was read.

The statement of accounts was then submitted, showing a balance at the banker's of 11897. 14s. 10d.; also a balance at the London and Westminster Bank, bearing interest at 2½ per cent., of 4300/.; securities at the banker's of 1897. 14s. 10d.; also a balance at the London and Westminster Bank, bearing interest at 2½ per cent., of 4300/.; securities at the banker's of 1897. 14s. 10d.; also a balance at the London and Westminster Bank, bearing interest at 2½ per cent., of 4300/.; securities at 1300 cancelled shares, 1150/. The disbursements from the commanders of the company 10,000/.

A report, drawn up by Mr. Hartley, was then read, i which calculations were made of the expected produce, the cost of making the coal, and the profits anticipated. The cost of production depen led greatly upon the locality of the works—it averaged from 11s. 3d. to 21s. 6d. per ton—they might certainly calculate upon a nett profit of 25 per cent.

Mr. Joun Haman wished to express the motives that induced him to affix his name to the requisition calling the meeting; he considered that the prospects which this company offered were highly flattering, and that the hopes they had entertained, were fully borne out; he regretted the delay that had arisen, but he felt sure that the time was not far distant, when both the proprietors and the public would experience the henefits to be derived from this company; but he had to call the attention of the meeting to a most important point, which was the waste

very able and zealous manner in which he company.

The Chairman having briefly returned thanks to the meeting, for the honour done him, at the same time assured the shareholders, that no exertion on the part of the directors would be wanting to promote the welfare of the company, and congratulated them upon the success which had attended the undertaking,—the meeting adjourned.

ANTI DRY-ROT COMPANY.

ANTI DRY-ROT COMPANY.

On Friday, the first,, a special meeting of the proprietors and shareholders in this tompany took place at the London Tavern, for the purpose of determining on and adopting such steps as might be deemed advisable in consequence of the conduct of the late managing director, Mr. Terry, who, it was stated, had reissued a large number of certificates of shares which in the due performance of the transactions of the company ought to have been cancelled. The meeting was very numerously attended.

W. R. Vigers, Esq., in the chair.

The CHAIRMAN stated that the discovery had by accident been made by himself in looking over the books, wherein he had observed, whilsteramining them for another purpose, some strange irregularities. An inquiry was subsequently set on foot, which led to the absence of Mr. Terry. Since that person had gone away the directors had commenced a minute examination of the various books and documents, in the course of which it had been found that there had been such a system of interchange in the numbers and reissuing of the certificates of shares as to have excited the greatest astoniahment. As yet the inquiry had not been brought to a conclusion, and therefore the directors were unable to put the shareholders in possession of the facts. As soon as the investigation had terminated, it was their intention to call another meeting, when the whole matter would be laid before them. That would probably be in a fortnight.

A very protracted and warm discussion ensued, during which the directors were accused of negligence in not having kept a stricter eye upon the progress of the transactions of the company, and for not having arrested Terry on a particular day, when it was alleged that object could have been accomplished by them. They were also accused, in some instances, with not having complied with the provisions of the act of Parliament. Eventually, however, on the motion of Mr. Erskine Perry, a committee, consisting of Mr. T. Collett, Mr. Shadbolt, and Mr. Morris, of the Temple

MANCHESTER AND BIRMINGHAM RAILWAY.

MANCHESTER AND BIRMINGHAM RAILWAY.

A deputation of the directors of this railway, consisting of H. Tootal and J. P. Westhead, Esqs., accompanied by G. W. Buck, Esq., the engineer, met the committee appointed by the town council of Macclessfield, on Wednesday week, in order to communicate to them the plan for a diversion of the proposed branch to Macclessfield, the effect of which would be that the Macclesfield branch would join the main line, near Cheadle Hulme, instead of Stockport, and would again fall into the line adopted by Parliament near Hollingworth Smithy.

The Mayon in the chair.

A report from Mr. Buck was read to the meeting, recommending that the Macclesfield line should branch off at Cheadle Hulme, by which a deep cutting and curve, together with the inclined plane on entering the main line, would be avoided. The distance from Macclesfield to Stockport, by the proposed line, would be only fourteen chains longer than by

port, by the proposed line, would be only fourteen chains longer than by the Parliamentary line. Mr. Buck concluded his report by stating that the proposed line would be cheaper to execute, cheaper to work, and what the propos was of still higher importance, it would be safe; whereas, the Parliamentary line would be decidedly otherwise, owing to the danger to be apprehended from approaching trains, which the curve would render invisible to each other; while, from the momentum of an inclined plane of thirty-five feet to a mile, it would be impossible to stop at least one of the trains in order to prevent a collision.

In order to prevent a collision.

In answer to a question by Mr. Brocklehurst, Mr. Westhead said, the directors were willing to give the strongest guarantees of their intentions to make the branch. They had never had any other views. It was their object to make the branch to Macclesfield as soon as circumstances would permit; and whatever delay might arise from the necessity of ap-plying afresh to Parliament, he was convinced that the altered branch taken. Their object would, however, be greatly facilitated if gentlemen belonging to Macclesfield would assist them in getting the assents of the landowners on the proposed line, by which means, he thought, the bill might be introduced into Parliament next session. hight be done in less time than the Parliamentary

It was then agreed, after much conversation upon the subject, that several gentlemen of the committee should be appointed to co-operate with the directors in obtaining the assents of the landowners, Mr. Brodrick, on behalf of the Macclesfield committee, assuming the deputation that they had no objection to the deviation proposed; they had a certain Parliamentary pledge on the statute book, and till that was removed they were satisfied.

A vote of thanks having been passed to the chairman, the meeting separated.—Abridged from the Macelesfield Courier.

PENRITH AND CARLISLE RAILWAY.

PENRITH AND CARLISLE RAILWAY.

A numerous and influential meeting was held at Carlisle, on Wednesday, the 28th ult., in support of this undertaking. A deputation from Penrith was in attendance.

The MAYON of Carlisle in the chair.

The CHAIRMAN stated the object of the meeting, which was to consider the propriety of supporting the Penrith and Carlisle Rellway, whether as an independent line, or as a link connecting the metropolis with Scotland. The HIGH SHERIFF of Carlisle, in moving the first resolution, as to the desirableness of the proposed undertaking, considered the advantages which it would confer on Penrith and Carlisle as very great, independently of the cheap and rapid communication which it would shortly open from London and the manufacturing districts of Lancashire. Looking at it as an investment for capital, he was convinced that it would be found a safe and profitable source of income.

Sir George Musgrave seconded the resolution, which was carried unanimously.

and profitable source of income.

Sir George Muscrance seconded the resolution, which was carried unanimously.

Major Wilde moved the next resolution—" That the formation of the Penrith and Carlisle Railway would be a decided step towards forwarding the great line through Lancashire into Scotland, it being in a direct line of communication from Lancashire into Scotland, it being in a direct line of communication from Lancashire into Scotland, it being in a direct line of communication from Lancashire into Scotland, it being in a direct line of communication from Lancashire into Scotland, considered the projected undertaking in two points of view—first, as an independent line between Penrith and Carlisle; and secondly, as a link in the grand line of transit from the metropolis to Scotland. The vast quantities of coal, wood, slate, and stone, in the district through which the railway would pass, and which were now locked up would, by this cheap mode of conveyance, find a ready mart; and, if this proved beneficial to Penrith, it would be equally so to Carlisle. That city would be able to send, in return for the minerals of Cumberland and Westmoreland, its own commodities; and if he could mention any one article more than another, an increased and cheaper supply of which would be gladly received by the inhabitants of Carlisle and the surrounding district, it was coals. Mr. Locke, the eminent engineer, had made a most favourable report of the traffic that might reasonably be anticipated upon the line, the expense of constructing which would be from 80001. to 10,0001. per mile; and the committees appointed to estimate the probable income and expenditure had, on a moderate calculation (which some considered greatly underrated), given a return for the required capital (170,0001.) of 8 per cent. Mr. Haswell next alluded to the Morecambe Bay line, the formation of which he considered highly improbable; and, if the coast line failed, from an irruption of the sea, which might break in upon and dash it to pieces, or if the

STAFFORDSHIRE HEMP AND FLAX COMPANY.

STAFFORDSHIRE HEMP AND FLAX COMPANY.

A meeting of the directors of this company was held at Rugeley, on Tuesday last. Major CHETWYND, M.P., in the chair.

The first business introduced was the examination of the tenders which had been delivered in for the erection of a laboratory for the chemical department of this new manufacture. Several estimates had been sent in, which were carefully compared; but those delivered by the Coalbrook Dale Company, and Mr. Charles Heywood, were finally adopted; and those gentlemen have undertaken to complete the work by the 1st of April next. Another important resolution was entered on the books, which we are sure will give increased confidence to the shareholders, and insure the speedy completion of the works and other preliminary arrangements—namely, the appointment of Jeremiah Barrett, Esq., one of the trustees, and an active practical man of business, to the office of managing director; and that gentleman will consequently forthwith take up his residence at Rugeley, to superintend the works, and to prepare the machinery, &c., for actual operation.

We are also glad to hear that something was said respecting the establishment of a branch factory in Stafford, a suggestion which we trust our townsmen will see the advantage of assisting, heart and hand, to carry into effect, by their co-operation and encouragement, as the employment of five or six hundred people (chiefly women and children), which this branch, on a small scale, would probably occupy, would be most beneficial to the interests of the town. We are informed that several gentlemen in the neighbourhood intend to take shares.—Staffordshire Advertiser.

SHIP CANAL AND RAILWAY MEETING AT LEWES.

SHIP CANAL AND RAILWAY MEETING AT LEWES.

A public meeting was held on Friday week, at the County Hall, Lewes, to take into consideration "the propriety of supporting an application to Parliament for authority to make a Ship Canal from Newhaven to Lewes, and a Railway from the London and Brighton Railway, at St. John's Common, through Lewes to Hastings."

TROMAS WHITPELD, Esq., Senior Constable, in the chair.

Mr. Bategs addressed the meeting at considerable length on the local advantages likely to arise from the completion of the proposed undertaking. In the course of his observations, he said, "I have the authority of Mr. Rastrick, who has gone into the matter very minutely, for telling you that the railway may be constructed at a cost of somewhat less than 15,000L a mile. I also have his authority to state, that the canal, as projected on the proposed plan, may be executed for 140,000L." Mr. Briggs was of opinion that, after allowing the usual and very large sums necessary for the maintenance of the railway and canal, the balance available for the purposes of a dividend to the proprietors would be 82,000L, or nearly 13 per cent. upon the expenditure.

Mr. B. Godlef, in a speech of some length, which we do not think it necessary to report, as it consisted wholly of general remarks and longestablished truisms touching the advantages resulting to society from a well-regulated system of commerce, proposed the following resolution:

"That a ship canal from Newhaven to Lewes, in connexion with a line of railway from the London and Brighton Railway, through Lewes to Hastings, according to the plans of Mr. Rastrick submitted to this meeting, will be of great public advantage and highly conducive to the interest

Hastings, according to the plans of Mr. Rastrick submitted to this meeting, will be of great public advantage and highly conducive to the interest and prosperity of the town of Lewes; and that it is incumbent on every one whose welfare is identified with the prosperity of Lewes and its neighbourhood, to unite in such measures as may be necessary to promote the formation of such canal and railway."

formation of such canal and railway." Mr. E. Monck seconded the motion, because, he said, he was satisfied the greatest benefits would result from the adoption of the plan proposed.

which was then put and carried unanimously. Mr. H. Brown proposed "That a committee of Messrs. E. Beard, J. Berry, T. Berry, H. Brown, T. Chatfield, J. Farnes, B. Godlee, G. Grantham, T. Johnston, J. Langford, G. Molineux, E. Monk, A. Morris, E. Morris, P. Verrall, W. Verrall, J. Watts, A. Wood, and G. Wood, with power to add to their number, be appointed to assist in making the necessary arrangements for the formation of a company for carrying the proposed measures into execution; and that such committee be authorised to obtain subscriptions for the purpose of defraying necessary expenses," which was seconded by Mr. Morris, and agreed to unanimously, when the meeting broke up, after voting thanks to the constables.

when the meeting broke up, after voting thanks to the constables.

LONDON AND BIRMINGHAM RAILWAY—WOLVERTON STATION.

In Rosoce's "Description of the London and Birmingham Railway," (Part IV., just published), we find the following account of the Wolverton Station, one of the most important points on the line, nearly midway between London and Birmingham:—

"The magnitude of the works at Wolverton is the wonder and admiration of all who travel along the railway, and it will readily be perceived that the utility of having a great central station, on such a long line of road, was one of the first considerations; and it fortunately happens that the site is locally convenient as regards communication laterally by roads, and also by canal. It was, therefore, determined, that at this place a large manufactory should be erected, for the purpose of repairing engines and other machinery connected with the traffic; and, also, that a depth for the reception of goods and cattle should be provided; whilst accommodation was secured by the erection of dwellings for the artiferers; it being contemplated that, when at full work, nearly one thousand persons are employed at this station alone. The large building seen to the left of the railway, before arriving at the caual, is the Wolverton Lecomotive Engine Station, which will be devoted wholly to the repairs, &c., of the engines and machinery: as the becomotives donot run through the whole length of the line, but change at this station, it is requisite that there should always be a stock in readluses to meet any demand. It was erected from the designs, and under the superintendence, of Mr. G. Aitcheson, architect, of London, a gentleman who has for some time past devoted his attention to works of this description, and who has the appointment of architect to the stations upon this line. The building is of a quadrangular form, each side being 314 feet long; it is built of brick, with stone cornice and blockings, the style of architecture being Dorie. But here there appears no extra

passengers, as this is the only place between London and Birmingham at which time is allowed to take refreshment. It is contemplated that on the station, and the works connected with it, a sum of 100,000l. has been expended."

Society of Arts.—On Tuesday evening the first illustrated lecture for the present season was delivered by Mr. Goddard, of the Polytechnic Institution, on the polarisation of light. The lecturer stated the principles of the two theories of light—the Newtonian, in which it was supposed to consist of corpuscular atoms pervading the universe, and the principles of the two theories of light—the Newtonian, in which it was supposed to consist of the promulation of the Newtonian theory. The universe was filled with an ethercal medium, and may be said to be governed by the same laws as the waves of the sea, or the vibrations of sound. Mr. Goddard illustrated his theories by means of the oxyhydrogen microscope, in which the polarisation of light, in the calcareous or Iceland double refracting spar, fluor-spar, seminite, mica, quartz, crystals of sulphates of zince, potass, &c., were submitted to the analysing apparatus, on the evolutions of which, at an angle of 45, when in a line with the axie of the crystals, the reflection on the medium was colourles, but out of the line, presenting the most beautiful variations of the prismatic rays. In the double refracting crystal a curious phenomenon was exhibited; two circles intersecting each other were reflected, one of the violet, the other of the orange ray, and the parts overlapping were purely white. On the table of the lecturer were a number of diagrams, crystals, and prisms, illustrative of the subject.

Australia—Several interesting papers, on subjects connected with this colony were read on Monday evening, at the third meeting of the Goographical Society. A complete map was exhibited belonging to the South Australian commissioners of Port Adelaide. It was stated, so much has the value of land increased, that Governor Hindmarsh, for two plots for w

GERMAN MINES.—The mining company of the Grand Duchy of Baden has recently discovered several veins of cobalt and silver. The produce of the cobalt especially has been so considerable, that the company has been induced to establish on the spot a fabric of smalt, which article, by its quantity and excellent quality, becomes now the object of a lucrative

ROMAN ANTIQUITIES .- Further discoveries have been made of Roman antiquities, by the excavators on the line of the Great Western Railway, in the parish of Streatley. A correspondent informs us that on the summit of a hill of slight elevation near the Thames at Streatley, on the soil being removed about twelve or fourteen inches, a very beautiful tesselated pave-ment was discovered about eight feet square, the pieces composing it being more than half an inch square each. Orders were given by Mr. M'Donnell, the superintendent engineer, to fence in the spot, and protect it from being disturbed; a Roman coin was also found near the spot.—Reading

PUBLIC COMPANIES.

MEETINGS.

TREAT WESTERN RAILWAY.—Notice is hereby given, that the Directors will propose an immediate ADJOURNMENT of the SPECIAL MEETING of Proprietors of this Company on the 20th instant, until Wednesday, the 9th of January next, to be held at the same hour, at the City of London Tavern, Bishopsgate-street, in consequence of Mr. Wood's report not having yet been received by the Directors, and in order to circulate it together with Mr. Hawishaw's report, and the engineers' observations, among the proprietors some days previously to the discussion upon those subjects.

W. U. RIMS. Chairman.

BORINGDON PARK MINING COMPANY.—The Directors hereby give notice, that a SPECIAL GENERAL MEETING of the prietors will take place at the City of London Tavern, Bishopsgate-street, on Thurday, the 27th instant, at Twelve for One o'clock precisely, f r the purpose of takin into consideration reports from their mining agents, and to determine as to tigrarther working of the mine.

2, White Lion-court, Cornhill, Dec. 13.

WHEAL HENNOCK AND CHRISTOWE MINING COM-PANY.—The directors hereby give notice, that the SPECIAL GENERA MEETING of the shareholders advertised to take place on the 20th inst., is POST PONED until Thursday, the 17th January, 1839, at 12 o'clock precisely. Hennock, Dec. 13.

CALLS.

CALLS.

LANELLY RAILWAY AND DOCK COMPANY.—The Committee of Management of the Lianely Railway and Bock Company give notice pursuant to the powers in the Act of Parliament in that behalf, they do hereby make a CALL of TEN POUNDS per cent. on each share subscribed for or held by the several proprietors of stock in the above undertaking, and such call is to be paid to Messars. Cocks, Biddulph, and Co., bankers, 48, Charing cross, London, to the credit of the company, on or before Thursday, the 17th day of January next.

By order,

59, Old Broad-street, Dec. 13.

PIO DOCE COMPANY.—Notice is hereby given, that in accordance with Article 4 of the printed regulations for managing the affairs of this Company, agreed upon at a special General Meeting of the Shareholders, held on the 8th of June, 1837, a CALL Of ONE POUND per Share is hereby made, payable on or before the 14th of January next, at the bankers of the Company, Messrs. Barnett, Hoares, and Co., whose receipt for the same will be exchanged at the Rio Doce Odice for new Scrip Certificates.

By order of the Directors,

R. MESSER, Secretary.

6, Freeman's-court, Cornhill, December 7, 1838.

N.B. The £4 Scrip Certificates must be returned when exchanging the banker's ceipt for the new Certificates, which will include the whole amount paid per share

TRELEIGH CONSOLIDATED MINING ASSOCIATION —Notice is hereby given, that a further CALL of SEVEN SHILLINGS at SIXPENCE per share is this day made, payable to the bankers of the compan Messrs. Vere, Sapte, and Co., on or before the 31st instant. The proprietors a particularly requested to bring the scrip, with the bankers' receipts, to the office, and say, where they will receive new certificates in exchange.

By order of the board,

23. Threadneedle-street, December 1.

ROWLAND NICHOLSON, Sec.

WEST CORNWALL MINING COMPANY. — Notice is hereby given, that a call of ONE POUND per share on the Wheal Elizabeth Mine was this day made, payable at the Literpool Union Bank, or at Messrs. Cunliffe, Brooks, and Co., London, on or before the 24th of December next. By order of the board, WILLIAM LAYCOCK.

Liverpool, November 71.

WEST WHEAL JEWEL MINING ASSOCIATION.—No. LSI WHEAL JEWEL MINING ASSOCIATION.—Notice is hereby given, that a CALL of ONE POUND per share has been this day made (in conformity with the deed of settlement by which the Association is now governed), payable by two instalments of Ten Shillings each, on or before the 5th of January next, and on or before the 5th of February next, respectively, into the London and Westminster Bank, to the credit of the company with the Western District Banking Company, or into the bank of the said Western District Banking Company at Truro. On production of the bankers' receipts at the office, as under, together with the old scrip, the latter will be exchanged for new certificates.

23, Threadneedle-street, Dec. 4.

ROWLAND NICHOLSON, Sec.

DIVIDENDS.

NATIONAL BANK OF IRELAND.—Notice is hereby given, that the court of directors of the National Bank of Ireland have declared a DIVIDEND on the paid-ap capital of the company, after the rate of FIVE PER CENT. PER ANNUM, for the half-year ending the 31st day of December, 1838. The warrants for the payment of the same will be ready for delivery at the company's office, 13, Old Broad-street, London, on and after Monday, the 14th day of January next, between the hours of trea and three o'clock; and at the offices of the company in Dublin, Athlone, Ballina, Ballinasloe, Boyle, Carrick-on-Suir, Cashler, Castlerea, Charleville, Clonmel, Cork, Dungarron, Ennis, Ennescorthy, Fermoy, Galway, Kilkenny, Kilrush, Limerick, Longford, Loughrea, Mitchelstown, Moate, Nenagh, New Ross, Roscommon, Roscrea, Sligo, Tallow, Thurles, Tipperary, Tralee, Tanm, Waterford, Westport, and Wexford. And further notice is hereby given, that the transfer books of the company will be closed from Saturday, the 22d day of December instant, until after the day fixed for the delivery of the dividend warrants,

By order of the court of directors,
13, Old Broad-street, London, Dec. 12.

FRAZER B. SMITH, Sec.

MEETINGS OF SCIENTIFIC BODIES.

	IN THE ENSUING WE	EK.	
SOCIETY.	PLACE OF MEETING.	DAT.	HOUR.
Royal Asiatic	14, Grafton-street	Saturday	. 2 г.м.
Statistical	4, St. Martin's-place	Monday	. 8 P.M.
British Architects	43, King-st., Covent-garde	n Monday	. 8 r.m.
Linnæan	Soho-square	Tuesday	. 8 г.м.
London Electrical	Adelaide-street	Tuesday	. 7 P.M.
Society of Arts	Adelphi	. Wednesday	.74 P.M.
Geological	Somerset House	Wednesday	. 81 P. M.
Scientific Society	Charlotte-st., Bloomsbury	Thursday	8 P.M.
Royal	Somerset House	Thursday	84 P. M.
Antiquaries	Somerset House	Thursday	. 8 P. M.

SOCIETY OF ARTS-MEETINGS OF GOMMITTEES.

Tuesday, Nov. 18—Agriculture, at half-past seven,—on Mr. George Aikin's account of the recent agricultural improvements in the Fens, and samples of potatoes from Mr. Robarts and from Mr. Williamson.

Wednesday, 19th-Meeting of the Society, at half-past seven.

PUBLIC COMPANIES.

MEETINGS.	
National Provident Institution 13, Nicholas-lane. Dec 15 Mount's Bay Mining Company King's Arms, Holborn-bridge. 15 Royal Polherou Consols Mining Co. Ger ze and Vulture 15. British and Foreign Banking Company 32, L'ombard-street. 16 Jamaica Steam Navigation Company 32, L'ombard-street. 17. Elleng aze Mining Company New London Exeter. 17. Elleng aze Mining Company New London Exeter. 17. Elleng aze Mining Company New London Exeter. 17. Elleng aze Mining Company New London 18. Equitable Reversionary Interest London Coffee-house. 18. London Assurance Company Birchin-lane. 19. Essex Maxine Salt Company II, Abchurch-lane 20. Wicklow Copper Company 43, Dame-street, Dublin 20. Canada Company 45, Dame-street, Dublin 20. Canada Company 45, London Tavern 27. Colonial Bank London Tavern 27. Colonial Bank London Tavern 27. Colonial Bank London Tavern 9. Wheal Hennock and Christowe On the Mine 17. Mutaul Life Assurance 00ffice 19.	12. 1. 1. 1. 1. 1. 2. 2. 12. 12.
CALLS.	

Cornwall Great United Mines	17 Dcé.	15 Masterman and Co.
Birm., Bristol, & Tham's Junction	81	19 As former calls
British and Foreign Banking Co.	31	20 Attwoods and Co.
North Tamar Mining Company	54	22. Phoenix Bank Livernool
West Cornwall Mining Company	11	21 Capliffe Procks and Ca !
Mexican & South American Co	14	21 Barclay and Co.
Treleigh Mining Company	78 6d	31 Vere. Sante, and Co.
West wheal Jewel Mining Co	14 Jan.	5 (See advertisement).
Sheffield, Ashton-under Lyne, & Manchester Railway }		10 Rogers & Co.; and Smiths.
Ulster Canal Company	241	10. Smith Prene and Co.
British American Land Company	5/	15 Give Halifar and Co.
Treburget Mining Company	2s 6d	166, Austin-friars,
Llanelly Railway and Dock Co	10/	17 At Charing space
Tyr Gunter & Cofn Cwse Colliery	91	17 London & Westminster Ban
Rhymney Iron Company	51 Pak	267, Laurence Pountney-lane.
Rio de Anori Gold Stream Works	10s	20 Martin Stone and Co.

DIVID	ENDS.		
Hiberolan Joint-Stock Company. Cholsea Water works Bank of British North America East London Water-works National Bank of Ireland Reversionary Interest Society Provincial Bank of Ireland. Southwark Bridge Bank of Routralia Mexican and South American Company National Cognae Brandy Distillery. Argus Life Assurance	3 per cent 5 per cent 4 per cent 14/. per cent. 4 per cent. 5s. per share	Great Queen-st. Jan. 7, St. Helen's-place. 16, St. Helen's-place 13, Old Broad-street. 17, King's Arms-yard 42, Old Broad-street Queen-sfreet place 18, Aldermanbury 10, New Broad-str. 110, New Broad-str. 110, New Broad-str. 111, Street Hill 111, Street Hill 112, Street Hill 113, Street Hill 114, Street Hill 115, Street Hill 115	7 5 10 14 14 15 15 15

NOTICES TO CORRESPONDENTS.

The letter of "A Shareholder" in the Swiss Asphalte Company, shall receive insertion in our next if authenticated by his name.

Messrs. Fordyce and Co.'s communication shall be attended to in our next.

Mr. Heathcote's advertisement shall appear next week.

Mr. Heathcote's advertisement shall appear next week.

We have for many weeks passed over without remark the columns of extracts made by the Monmouthshire Merlin from our Jounals, but the late numbers of that poblication have so teemed with "Mining," "Joint-Stock Bank," and "Raliway Intelligence," extracted from the Mining, "Joint-Stock Bank," and "Raliway Intelligence," extracted from the Mining Jounals, without acknowledgment, that we feel it imperative on us to advert to the circumstance thus publicly. But for the impruisence of the Editor in giving, as a Notice to Correspondents, that "the Merlin shall continue to give all articles of intelligence increasing to the Mining districts," we might even have allowed the last Number to have gone by unnoticed; if our contemporary would anticipate us in Mining news we should be happy to acknowledge our obligation. It is not a month since that nearly two columns of the Merlin were filled with extracts from the Mining Jounals, respectively classified, without acknowledgment.

THE MINING JOURNAL, And Commercial Gagette.

LONDON, DECEMBER 15, 1838.

Few official documents have ever excited a greater share of public attention than that which has been given within the last few months to the Reports of the Irish Railway Commissioners. This attention has been the result of many causes, among which we may enumerate the importance of the subject both to Ireland and to this country-its influence upon capital, expended or about to be expended in the internal improvement of the Sister Kingdom, and, last, not least, the virulent political feeling which has, unfortunately, been mixed up with the discussion of the question, little calculated as it really is for such an exhibition.

The great value of this report, as an assemblage of "useful and authentic data, tending to illustrate the real position and great internal resources of Ireland," was fully acknowledged in our Journal on its first appearance, when we expressed the hope that its publication " might form an era in the future history of Ireland, and be the means of approximating together the labour of the Irish peasant and the wealth of the English capitalist, to the mutual benefit of both." To one feature, indeed, we were opposed -the interference with existing lines now in progress on the faith of Acts of Parliament—and of the hardship of such interference, we can ever entertain but one opinion. With this exception, however, we have pleasure in again bearing testimony to the ability and fairness with which the Commissioners have executed a difficult and most embarrassing task.

On the subject of Ireland our opinions must be well known-they relate not to political grievances, either real or alleged, or to courses of policy on which different opinions are held-they relate solely to her great natural capabilities, to the desirableness of cultivating these resources, of affording employment to her peasantry, and of thus ameliorating (perhaps in time removing altogether) that enormous mass of wretchedness and inaction, which is the real source of all her crimes and miseries. What is it that the Irish peasant asks for ?-we speak of him not as the tool of political agitators, but in his own person-it is employment, the means of getting bread for himself and his family. Deprived of this first requisite of existence—this corner-stone on which the peace and well-being of society so completely depend-what can be the result but squalid and reckless misery, but discontent and excitement, ever ready to break forth in acts of violence, incapable, from their nature, of being permanently and effectually quelled.

Setting aside all feelings of humanity, all ties of sympathy, the condition of Ireland can never be viewed with indifference hereshe is the ulcerated part of the system, which endangers the safety of the whole, and all the evils of her condition have long been found to recoil with increasing violence upon ourselves. A large portion of that military force for which we have so much need in our distant colonial possessions, is necessarily employed upon a disagreeable and harassing service there. Legislative attention is distracted from the numerous objects which so imperatively require consideration, in order to discuss her never-ending tale of grievances, while the English labourer finds himself too often opposed and thrown out of employment by inundations of the poorer

Need we say that this is a state of things which ought not to be that it conduces not to the safety or to the welfare of Englandnay, that it endangers both. Need we point out the futility of the various remedial measures which have hitherto been carried into effect by either one party or the other? It is notorious that Legislation has been tried-that coercion has been tried-that agitation has been tried-but that senatorial wisdom, that blood and rebellion have alike proved total failures, and that Ireland still presents the same lamentable picture as ever. If we seek the cause of these failures, it will at once be seen, that the proposed remedies have not touched at the real source of the evil-they have not given bread to the hungry, or afforded to the Irish peasant that which is of all things the most needful-the means of profitable and remunerating employment. The partial encouragement which has from time to time been afforded by the Government in the execution of public works, and the occasional expenditure of private capital within the last few years in opening mines, have effected more real benefit to Ireland than all the other remedial measures of the last half century.

an extensive system of public improvement was for the first time held out to Ireland-a plan which would ultimately embrace every portion of the country within its scope, and which, if carried out upon the comprehensive system, which might be expected from a power like that of Government, interested only in the national welfare, would doubtless be productive of the most happy and beneficial consequences. It is well known that this report did not exhibit results which were very favourable to private enterprise-a conclusion which, from the impoverished state of the country, might almost have been anticipated. Some lines, it is true, had offered sufficient inducements to attract capital, and will doubtless afford an adequate return for the investment; but taken as a whole, a general system of railways, like that which this country will soon possess, was not found to offer those inducements which would be likely to lead to its execution.

Under these circumstances, then, it has become a matter for grave consideration, whether some deviation from the ordinary

rules of policy in like cases may not be warranted in the present-whether Government should not step forward to promote, so far as may be actually needful, a system of railway com. munication, and to confer a national benefit upon Ireland which she has otherwise little or no hopes of obtaining. This line of policy is, we admit, one which under other circumstances we should consider as very questionable, for we are decidedly of opinion that plans which private enterprise is capable of effecting are rarely benefitted by Government interference—a position which the relative progress of railways in France and England has tended strongly to confirm. In the present case, however, there are many important elements to take into consideration, which may well justify some iation from the ordinary course.

Railway communication has rapidly progressed in England, in

consequence of her being an active and wealthy country; and the great result which they are calculated to produce is still further to increase her wealth and activity. Capital has been readily subscribed for these works, because a remunerative return was certain to arise from them; and when this is the case, private enterprise can never need assistance in effecting its object. But the same instrument by which wealth is increased, and commercial activity promoted, where they already are, may be made the means of calling them into existence where they are not, provided their first elements are already in being. That Ireland does eminently possess these elements-that they require proper fostering alone for their due development-are points upon which, we believe, argument would be wasted, since assent can hardly be withheld.

These considerations bring us then to the question, would the introduction of a system of railway communication be beneficial to Ireland ?-and to this, we believe, but one answer can be given. Increased and ever-improving facilities of internal communication have been one of the great sources of England's prosperity, and we have ample proofs of the benefits which canals and railroads have produced to our shrewd and enterprising trans-Atlantic brethren Undoubtedly, then, they would afford the same advantages to Ireland, and the only question now is, whether she should enjoy these advantages or not. Happy would it be for both countries, were her state such as to encourage the free outlay of private capital in these enterprises, yet the very fact that such is not the case, serves only to prove that they are the more needful, that some great system of internal improvement is wanted, to call the latent energies of the country into action, to afford immediate employment to the population, and thus to pave the way to a better eventual state of things. Individual enterprise, looking only to its own immediate advantage, will naturally be slow and cautious in its operation-it may hereafter introduce railways in Ireland as the result of commercial prosperity, but it will not boldly step forward in the expectation of making them the cause. If Ireland is to possess the advantages of railway communication, Government, which has already taken the first step towards this end, by an admirable and judicious investigation of all the facts of the case, must not pause till much more has been achieved. In what manner, or even to what extent, assistance may be needful, we do not here inquire, it is the principle alone that we wish to establish.

Looking at the question in a national point of view-can there be a doubt, we would ask, that Ireland ought-that, in fact, she must, at any price, be enabled to enjoy these advantages, that if she does not, she will shortly be in a worse position than ever? Can we, with safety to ourselves, leave Ireland stationary, or allow her indeed to retrograde, while our own social arrangements are experiencing such marked and rapid improvement? This is a question which is now of deep interest, not as a speculative or party affair, but as a matter of national concern: we have endeavoured, therefore, in the preceding observations, to treat it in a manner wholly devoid of political feeling, for without this is done no just results can ever be arrived at. The subject is, however, far too extensive and important to be discussed in a single article, we have merely glanced at some of its more prominent features, and shall shortly have occasion to return to it again.

We have much pleasure in directing the attention of such of our readers as may be interested in the iron trade, to a long and very able communication from Mr. Wood, of Abersychan, which very able communication from Mr. Wood, of Abersychan, which appears in our Journal of to day. The scientific knowledge, no less than the practical experience of this gentleman, entitle his opinions to much consideration; and in the present case, it will be seen that they bear upon subjects of considerable interest in the iron manufacture. Being thus led to mention this important branch of mining industry, we cannot forbear expressing the satisfaction that we feel at its present sound and healthy state, presenting as it does a pleasing contrast to the late depression, and showing that the painful lessons of adversity have been made productive of great and permanent benefit.

THE FUNDS.

CITY, FRIDAY EVENING.

Consols closed at 93\frac{1}{2}\frac{1}{2}\text{ for the opening.} Bank Stock 202\frac{1}{2}\frac{1}{2}\text{ for money.} Three-and-a-Half per Cent. Reduced Annuities 100\frac{1}{2}\text{ money.} The premium upon Exchequer Bills 64 66; and on India Bonds 62 64. Spanish Active Bonds 16\frac{1}{2}\text{.} Portuguese New Five per Cents 29, and the Three per Cent. ditto 19\frac{1}{2}\text{.} Brazilian Bonds 77 \frac{1}{2}\text{.} Colombian 25\frac{1}{2}\text{.} Belgian Bonds 99\frac{1}{2}\text{.} Dutch Two-and-a-Half per Cents 54\frac{1}{2}\text{.} Old Five per Cents 100\frac{1}{2}\text{.} New Loan 99.

Great Western Railway Shares 9\frac{1}{2}\text{ 10 pm. Brighton 3\frac{1}{2}\text{ dis. Biackwall 2\frac{1}{2}\text{ dis. Birmingham 78 pm. Greenwich 3\frac{1}{2}\text{ dis. Southampton Bonds 10 pm. Brighton 10 pm. Bonds 10 pm. Bonds

wall 2½ dis. Birmingham 78 pm. Greenwich 3½ dis. Southampton 5½ dis., and the New ditto 19½ pm.—London and Westminster Bank Shares 3½ pm.

LATEST INTELLIGENCE.

LATEST INTELLIGENCE.

CITY, TWELVE O'CLOCK.—Consols for Account, 93\frac{3}{4}; Excheuer Bills, 64 66 premium; East India Bonda, 62 64 premium; Dutch Five per Cents., 100\frac{3}{4}; Ditto Two-and-a-Half per Cents., 54\frac{3}{6}; Portuguese Five per Cents. 29\frac{1}{4}; Ditto Two-and-a-Half per Cents., 19\frac{1}{4}-Railways:—Brighton, 3\frac{3}{6}; dis.; Great Western, 9\frac{1}{4}; 10\frac{1}{4} premium; London and Birmingham, 77.79 premium, New, 23\frac{1}{4}; 24\frac{1}{4} premium; Southampton, 44 45 per share; New, 19 20 prem.; York and North Midland, 1 dis. 1 par.

Reduction, 13.—Average standard, 113l. 10s. 0d.—Average produce, 8\frac{3}{4}.—Average price, 6l. 12s. 6d.—Quantity of ore, 3191.—Quantity of fine copper, 263 tons 4 cwt.—Amount of money, 21,102l. 6s. 0d.—Average standard of last sele, 114l. 16s.—Produce, 7\frac{3}{4}.

Longon, Drc. 14.—The Copper market is very firm, at a slight also

LONDON, DEC. 14.—The Copper market is very firm, at a slight acvance. Tm is steady, with little doing. Lead is in some demand, at
better prices, and is expected to rule higher after Christmas. Iron firm,
a rise of 1t. per ton being already acted on in Staffordshire. Spelter in
more demand, 18t. 10s. having been paid for next year's deliveries. In
other metals no alteration.

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Under this head we propose to notice weekly the several new projects hich may be brought forward, and to which public attention is directed, through the medium of the press or otherwise, confining ourselves, ho ever, to "Public Companies," and briefly noticing their objects with uch general information as is conveyed by the prospectuses, or which may be gathered from other sources, on which reliance may be placed. We shall, therefore, feel at all times obliged for particulars duly authenticated, on subject of projected companies; and while it will be our object to avoid the exercise of bias in favour of any particular undertaking, we shall at the same time endeavour to collate such information as is calculated to afford to the capitalist the opportunity of judging of its merits, and the correctness of the opinions put forward in the representations of the projectors.

GLASGOW AND AIRDRIE JUNCTION RAILWAY.

Capital £100,000, in 2000 shares of £50 each.

Capital £100,000, in 2000 shares of £50 each.

This railway is to commence in the town of Airdrie, and join (at Rutherglen) the Pollock and Govan Railway, which terminates in the harbour of Glasgow. The general objects of the undertaking are—first, to unite, by an uninterrupted line of railway, the important manufacturing districts, of which Airdrie is the centre, with the river Clyde and the Greenock and Ayr Railways. Secondly: By a junction with the Wishaw and Coltness line to connect the Clydevalae mineral fields with the city and harbour of Glasgow, by a shorter route than any that at present exists; and thirdly, to provide a cheap means of conveying to market the minerals, manufactures, and agricultural produce of the country intersected by the proposed line.

ORIGINAL CORRESPONDENCE.

IRON MANUFACTURE—PROPOSED ALTERATION IN THE FORM OF BLAST FURNACES.

IRON MANUFACTURE—PROPOSED ALTERATION IN THE FORM OF BLAST FURNACES.

TO THE EDITOR OF THE MINNO JOURNAL.

SIB,—As the working of raw or unburate coal in the iron smelting furnace is now successfully practised in some situations, whilst in others its use has proved wholly impracticable, it may be interesting to some of your readers, who are connected with iron works, to investigate the cause of failure—to which end, and to call attention to a matter of much importance to the trade, I beg to hand you my opinions on the subject, premising that I do not mean my remarks to embrace the use of anthracite.

It appears to me, from experience and observation, that the only coal adapted for use in the blast furnace, in the raw or uncoked state, is of that kind which approaches to anthracite, or rather which is of a medium quality, between that and bituminous coal, of which that obtained at the Dowlais works may be considered a fair specimen. A necessary, and, indeed, I consider an indispensable qualification, to adapt it to this use, is, that it shall in every greathout in the impatible from could to coke, remain the complex of the color of t

to which the materials are subjected, in furnaces of a coincal form, will be considered conclusive, as to the tendency they have to reduce the coke to a state of powder. The weight of the mater als will naturally have a tendency to produce this effect, but I think it cannot be doubted but this tendency is materially increased by the said motion. If this is the case, it must be desirable to modify the form, so as to reduce this effect as far

workmen, as there generally is when anything like an innovation on long-established custom is introduced, and it was at length abandoned, without there having been any thing like a satisfactory reason assigned for it. I must, however, admit, that I think alteration might have been made in it with beneficial result, without abandoning the principle. My opinion is, that it was put up much too large, it having been then, as it has continued to be with many, a favourite plan to erect large furnaces, which, in common with many others, I consider very objectionable, they being very unmanageable, and seldom produce good iron, or indeed exceed in make that of furnaces of a moderate size. In many places they are eighteen feet in diameter, and contain a mass of materials which it is wholly impossible to distribute the blast equally through; the consequence of which is, that it forms channels through particular parts, where intense heat is produced, whilst other parts are comparatively old. This occasions great irregularity in the operation of the furnace—the ore is very imperfectly reduced, and the quality of the iron made, very inferior; with small furnaces these disadvantages are, comparatively speaking, of rare occurrence; and as, under preper management, furnaces fourteen feet in diameter, produce as much iron and work with much greater regularity, they possess decided advantages over those that are larger. In recommending the use of cylindrical furnaces, and more particularly in situations where the coal contains an excess of bitumen, I shall take a fourteen feet furnace as a standard of size, and I find that a cylinder twelve feet in diameter will be of nearly the same cubical content—this size would, therefore, in my opinion, be the most eligible. The reduced diameter at the boshes will confine the heat within narrower limits, and cause it to ascend higher, thereby expediting the reduction of the ore, and at the same time increasing the density of the coke at an earlier stage of the process. The diameter of the to

MINING CORRESPONDENCE.

ENGLISH MINES.

ENGLISH MINING COMPANY.

Great St George, Dec. 11.—I hand you the setting reports for December, which are on the whole satisfactory, although in some instances a rather considerable advance has taken place in the tributes. We sample to day at Great St. George 512 tons of ore.

H. Humphries.

Great St. George 512 tons of ore.

Cornumian Mine.

Chiverton, Dec. 11.—Our forty fathom level east, on the south lode, is looking well—a good lode in this level. The same level west without alteration. We have suspended driving east at this level, on the Chiverton lode, and put the men to drive west, and as our setting-day was on Saturday last there is not anything done on the lode as yet that we can report from. The thirty-two fathom level west is getting on fast towards the old engine-shaft, b.t without alteration. The twenty-four fathom level east, on Chiverton lode, still looks kindly. The same level west without alteration. In the sixteen fathom level west we have a good lode, and I expect that in the course of a week or ten days we shall get under the winze-that is sunk about five fathoms below the eight fathom level; and in this winze (as I stated some time ago) there is a good lode. We have now dressed about nineteen tons, and undressed eleven tons.

WEST CORNWALL MINING COMPANY.

and undressed eleven tons.

WEST CORNWALL MINING COMPANY.

Wheal Elizabeth Mine, Dec. 11.—I am glad to inform you that we have cut the lode at the forty-three fathom level; it is not very rich at present, but very kindly, being composed of beautiful soft sugary spar and copper ore and mundic; we save all the lode to dress for ore; it is a foot and a half wide, and does not underlay so fast as it did, from the ten to the twenty fathom level, and from thence to the thirty-three fathom level; the cross-cut from engine-shaft, at the twenty fathom level, to the lode, is eighteen fathoms, and the cross-cut at the thirty-three fathom level is 10 fms. 2 ft., and at the forty-three fathom level is 8 fms. 2 ft., so the lode is gone more downright from the thirty-three fathom level to the forty-three fathom level; the tributers have got a good lode at back of thirty-three, and a kindly lode in the north end. There is a good lode of copper ore gone down in the bottom of the thirty-three fathom level, at same place, two feet wide. My opinion is that we shall have a good lode at the forty-three fathom level; driving a little way we have about nine tons of lead to the surface, and five tons of copper.

J. Tregoweth.

BAST WHEAL STRAWBERRY MINING COMPANY.

Dec. 10.—In reporting to you to-day, I beg leave to inform you that the men in the new engine-shaft have sunk in the past week three feet of ground, which is still hard. At the twenty-four fathom cross-cut driving towards this, the ground continues favourable for driving. The lode in the winze, sinking below this level, continues good work for tin. I cannot say any thing of the bottom level, in consequence of the water having been in all the week, but as we have a favourable change in the weather, I hope we shall be in fork in a day or two. No alteration has taken place at Boundary that requires any remarks.

FRANCIS EVANS.

ST. HILARY MINING COMPANY.

Dec. 8.—In the engine-shaft the lode is itwo feet wide, orey throughout. In the seventy fathom level west the lode is ten inches wide, producing half a ton per fathom. In the seventy fathom level east the lode is eighteen inches wide, with good stones of ore. In the sixty fathom level east the lode is eighteen inches wide, producing one ton of ore per fathom. In the winze, in bottom of sixty fathom level, the lode is eight inches wide, producing half a ton of ore per fathom.

C. H. RICHARDS.

cing half a ton of ore per fathom.

GWINEAR MINING COMPANY.

Dec. 8.—In the thirty fathom level east the ground is improved, with some stones of tin; this end is within eight feet of being under the tin we had in the twenty fathom level; so soon as that is driven we shall rise in the back of the level to communicate, when I hope we shall have more tin. In the twenty fathom level east the ground is good, with stones of tin. The twenty fathom level east, on Copper lode (eight inches wide), no alteration; there are spots of copper in the lode sometimes, but none to select. In the stopes, bottom of adit, the ground is good, and the men are breaking some tolerable tin stuff. I think we may say our prospects are a little more favourable. One of the pitches is much improved; the men consider they are getting extra wages. I hope it may be so, for tributers were never remembered so scarce as at present.

REDMOOR CONSOLIDATED MINING COMPANY.

REDMOOR CONSOLIDATED MINING COMPANY.

Callington, Dec. 10.—Johason's Flat-rod engine shaft is sunk six fathoms three 'eet belo w the sixty fathom level, without any further discovery of the lead lode in the shaft. It appears that the dip of the lode in the's part is almost perpendicular, which is by no means unfavourable; the lode in this position is generally found to be more productive than when of a quicker underlay. The east and west lode, discovered in the shaft, has a very promising appearance, being now from twelve to fourteen inches in width, and producing some good stones of tin; the ground continues much as hitherto, of a lavourable description. The ise in the back of the sixty fathom level north, the lode is one foot wide; rich work for siver lead ores. Going south the character of the lode remains much the same. East, on Johnson's lode, at this level, we have driven north on the cross course from two to three fathoms, and fial no other part of the lode has yet presented itself. The lode in the fitty fathom level north has a more favourable appearance, about six inches big, yielding a little lead ore. In the winze sinking below the thirty fathom north, the lode is from four to six inches wide, spotted withlead ores. At the north mine, in driving east, at the twenty fathom level, the lode is much the same character as hitherto—ground favourable for driving. The two parcels of silver lead ores, sampled on the 16th ult, were sold off the 4th inst. to B. Somers, Esq., as under:—No. 1, 16 tons (21 cwts.) 3 cwt. 1 qr., at 161. 1s. per 21 cwt. dry weight. No. 2, 19 tons (ditto) 1 cwt. 1 qr., at 44. 12s. per ditto.

UNITED HILLS MINING COMPANY.

Redruth, Dec. 8.—In the twenty five fathom level west of diagonal shaft tendency to produce this effect, but I think it cannot be doubted but this tendency is materially increased by the said motion. If this is the case, it must be desirable to modify the form, so as to reduce this effect as far as may be practicable.

This end, I consider, may be best accomplished by making the furnace cylindrical, which will produce a perpendicular descent of the materials. This end, I consider, may be best accomplished by making the furnace cylindrical, which will produce a perpendicular descent of the materials. The question, however, is, can any sound objection be raised to this form? Formerly it was the practice to contract the area of the tunnel head, or top of the furnace, to about an eighth of that at the boshes, but of late years it has been found advantageous to increase the area, which is now in a general way made to bear a proportion of a fourth or a third, and in some places above half that at the boshes. Here is an approximation to a cylinder, and with most decided advantage; and I have little doubt, if it is drawn nearer, the advantages will be still further increased. Since the still produced a very large quantity of little forms and a half feet wide, and produces much ore. In the winze sinching look in bottom of the firty-five fathom level wide of the wide of excellent quality. In the fold is two and a half feet wide—ore of excellent quality. In the adit end east, there will not wise the lode is two and a half feet wide—ore of excellent quality. In the adit end east, the lode is two and a half feet wide—ore of excellent quality. In the adit end east, four feet wide—exist inches good for ore. Stoping bottom of the firty-five fathom level east of excellent quality. In the fold is two and a half feet wide—ore of excellent quality. In the adit end east, four feet wide—exist inches good for ore. The stopes in bottom of the firty-five fathom level east of excellent quality. In the fold winch produced a very large quantity of its fathom level east of excellent quality. In the forty fatho

Stoke Climsiand, Dec;10.—We have now undertaken to put you in possession of the underground prospects and operations in the mine, as this day having come under our inspection—the principal features requiring notice, and to be emb died in this report, are as follow:—The 100 fathom level cross cut north is dr. ving towards the lode with a steady progress, in tolerably favourable ground. The eighty fathom level west of the capine-shaft wears just the same appearance as stated in last report, the lode being about six inches wide, worth altogether one ton of ore per fathom. The seventy fathom level does not exhibit so favourable an appearance as it did when last described, not exceeding ten inches in width at present, and in produce two tons of caper fathom. The lode in the winzes sinking below the seventy fathom level is at present about eight inches wide, and in quality much the same as stated is last report—worth about one ton of ore per fathom; this winze it is expected will be holed to the eighty fathom level in the course of a few stems, which will facilitate the working of the ore ground in this part of the mine to the best possible advantage. The seventy fathom level, on the Flap jack lode, is still without any material improvement, although it is composed partly of stones ofore, and spar and mundic, accompanied by capel on the morth well, which characteristics entitle it to be estecaned a very kindly lode. The sixty fathom level is yet suspended on account of the insufficiency of air in the end, and the men employed in it rising on the back about ten fathoms from the present end, in which there is a most excellent course of cry two feet wide, and which will, fairly valued, produce six tons of ore per fathom—worth 8t, per ton. The fafty-two fathom level also, as the directors are aware, has been suspended, the men being more advantageously employed in sinking a winze in the bottom of this level to meet the rise in the back of the level below the sixty-two, which important communication it is more than probab

tons. J. H. HITCHINS. F. PHILLIPS. T. RICHARDS.

TRELEIGH CONSOLS MINING COMPANY.

Dec. S.—I have this day inspected the whole of the underground departments, and am much pleased to tell you that, at Christoe, the thirty fathom level is looking well, and each end much improved since my report of last week. The bottom level has also a flattering appearance, but is yet poor for copper. The pitches in this part are looking much the same as on our last survey day. At Shauger we have an improvement in the twenty-end, which will now pay for diving, besides leaving tributers' ground. In this part we have two pitches working, and the men getting wages. W. SINCOCK.

have two pitches working, and the men getting wages. W. SINCOCK.

WEST WHEAL JEWEL MINING ASSOCIATION.

Dec. 10.—In Buckingham's perpendicular shaft the ground is favourable. We expect to hole to the twenty fathom level, with a borer hole, this day. This shaft is also sunk about nine feet below the twenty fathom level, and the ground continues favourable. The thirty fathom level east, on Fiea-trap lode, is about fifteen inches wide, composed of spar, &c., with some spots of black and yellow ore. The forty-two south, on Hodge's cross-course, ground favourable. At the south adit shaft we are in course of sinking below the deep adit. Our tributers are dressing their ores, which we purpose sampling on Wednesday, the 19th inst. At Wilkinson's engine-shaft we have been sinking the north side of the lode during the past week; we have cut into the lode in two places, and find it interspersed with black, grey, and red tores. A more particular account you will have in our next. The deep adit west, on the Great Gossan lode, is about three feet wide, composed of seach, spar, &c., interspersed with good stones of yellow ore. M. WILLIAMS.

TINCROFT MINING COMPANY.

spar, &c., interspersed with good stones of yellow ore. M. WILLIAMS.

TINGROFT MINING COMPANY.

Dec. 5.—In reporting to you on the present state of this mine, I beg, in the first place, to observe that we have still a good lode for copper and tia in the 142 fathom level east from the engine-shaft. The same level west is producing saving work for tin, with some copper. The bottom of the 132 is still producing grod work for tin and copper. The 132 west is yielding a small quantity of copper ore, as is also the 120 east and west. The 110 end, and stopes on the back of the level, continue to yield good work for tin and copper ore, worth from 201. to 301, per fathom; this latter end is now under the most productive ground in all the levels above. The nibety and eighty-one ends, with the winzes in the bottom of the eighty-one, continue much the same as for some time past, i. e., yielding fair quality work for copper and tin. The seventy-two east, and pitches in the back of the level, are producing excellent work for tin, and are very promising. Our pitches on the whole (just now) are looking better for tin than for copper, and our prospects may be considered very favourable.

TAMAR SILVER LEAD MINING COMPANY.

spects may be considered very favourable.

TAMAR SILVER LEAD MINING COMPANY.

Dec. 10.—The engine-shaft is now sunk about three fathoms under the 135 fathom level. We have very favourable ground (141. per fathom), and the lode still yields some good work. At the 135 fathom level driving south, the lode is from two to three feet wide, producing silver lead ores. Driving south, at the 105 fathom level, the lode is now a foot and a half wide, and, produces silver lead ores. In the ninety-five fathom level driving south, we are desuing the lode, consequently are unable to report its character. In both the seventy-five and eighty-five fathom levels driving south, we have for a considerable distance been passing and continue to pass through grownd that will set at low tributes; and in each end we have a very promising lode, producing good and saving work. We have been much impeded in the dressing department, in consequence of the late boisterous weather; but we hope to have dressed against Monday next, about fifty-six tons, being the same quantity we sampled last month.

MARK JAMES.

FOREIGN MINES.

FOREIGN MINES.

COLOMBIAN MINING ASSOCIATION.

From the Coast Agents, Carthagena, October 16.

PAMPLONA DISTRICT.—We expect to hear by to-morrow's mail from Barranquilla that the 504 serons of ore (about twenty-eight tons) have been shipped per Archer. We have not heard of the arrival of any more at Barranquilla. The Gran Bolivar (Duncan's boat), which reached Honda the 24th Sept., will bring down a lot of ore from Pedral.

From Mr. Williamson, September 4.

SUFIA DISTRICT.—Mine Department.—Unremitting attention is paid to our severall trial, works; we, find it impossible to push on the workings in the deep Cruzada adit quicker than we are now doing—the air is very confined; there is, however, one thing in our favour, the extent driven in the deep adit has lately been the means of draining the Escolastica level; and the sink, No. 14, we intend to prosecute immediately; also the sink, No. 11, in the Patacon level.

sink, No. 14, we intend to prosecute immediately; also the sink, No. 11, in the Patacon level.

Gamburn Lode.—This lode has been under consideration, and Mr. W. Degenhardt is in favour of driving the cross-cut, No. 24, from the Cruzada level, to intersect the lode, instead of opening out the old level near the cighteen-head mill. It is intended to commence workings on this lode as soon as possible. Our operations on the Candado lode proceed favourably.

Scpl. 11.—Mine Report.—This document you have enclosed, therefore I cannot at present have much to state regarding the mining operations. The sinks, Nos. 11 and 14, I have requested the mine agents to prosecute by night as well as by day, as they are both important works, to which every impulse should be given.

Gamburn Lode.—I have also directed that the cross-cut from the Cruzada adit may be resumed, in order to prove this lode; according to Mr. C. Decahardt's statement, we shall only have to drive from sixteen to nighteen fathoms to intersect the lode.

Sources of Ore.—In my report for July, I stated that I had given some natives work in the stope No. 80, but it was not the stope No. 86, it was the stope No. 66. I am glad to say the average width of the breath in this stope, and now contains nearly three feet of version.

RMAL

ore. It is likely that we may be able to sink the Patacon sink, No. 11, and the Escolastick sink, No. 14, deeper—both levels are nearly dry; this circumstance will enable us to sink, and afford a supply of mineral for the mills. The back stopes, in the San José level, north and east of San Vicentes rise, will give us rather more ore than I expected in June; the height of some arches of ground has increased.

1. Cascabel Lode.—Cascabel Level.—The lode in this level was, on the 7th ult., 28 inches wide, of compact pyrites, and still remains so; the ground hard, but good for breaking.

2. Patacon Lode.—Cross-cut, No. 5.—We have driven on the lode west (which we have cut with this cross-cut) 3 fms. 2ft.; the lode is six inches wide, of mineral mixed with caliche; the north, or hanging-wall, has a more perpendicular underlay than formerly; the ground hard, but good for breaking. San Juan Cross-cut, No. 7.—I expect to cut the lode soon, but the rocks are very hard—the ground still mixed with mineral.

3. Cruzada Lode.—San José Level, South Branch.—We commenced working here in the months of July and August; the lode has an average width

3. Cruzada Lode.—San José Level, South Branch.—We commenced worklog here in the months of July and August; the lode has an average width
of fourteen inches, and consists principally of black blende, galena, and iron
pyrites; the ground good for breaking, and in the bottom the ore is better
than in the back.

New Rise, in the back of the Ninety Fathom Level.—The rise has a height
of 7 ms. 3 ft. The ground in the latter part of the month became a little
harder, and it was difficult to rise; the air was very bad; and no ore is
visible.

Eighty Fathom Level, west end .- The ground harder, and no discovery has

risible.

Eighty Fathom Level, west end.—The ground harder, and no discovery has taken place.

Stope, No. 66.—From this stope, which I named in my last No. 80, we have raised a good deal of mineral, and the stope will still give us for some time good mineral. The ground is free for breaking, and the foot and hanging-wall very regular.

4. Candado Lode.—Second Winze, No. 30.—In the beginning of the month a communication with Dunstone's cross-cut and Cruzada cross-cut, northeast levels, was effected with the rise No. 30, which has given us good air in both stations, and now we are able to rise the third rise situated in the Cruzada cross-cut, north-east end upwards, and also drive the present ends further east. In Dunstone's cross-cut, north-east end, better ore has been cut, and I have some hopes that there may be still more improvement in its quality. The ground good for breaking.

San Nicolas Cross-cut.—The rocks harder than formerly.

Candado Mine.—Edward's's Level.—The extent driven last month was through a fine gossan, caliche, and some small branches of mineral; the ground very free for breaking, but requires a good deal of timber.

Degenhard's Cross-cut.—This cross-cut is 1 fm. 5 ft. below the old cross-cut mentioned last month. It has a perpendicular depth below Edwards's cross-cut of 9 fms. 4 ft. 6 in. We have not opened out the old cross-cut, but instead commenced this new cross-cut 1 fm. 5 ft. deeper. The ground in the old cross-cut is very loose, and difficult to secure. By 2 fms. 4 ft. we cut the same branch which was cut in April last (see Edwards's diagonal cross-cut); it has a width of fourteen inches, and consists of fine gossan and caliche, but we cannot open out on this branch in this quarter. It is too near to grass, runs east and west to the surface; and no backs are here, but I have some hopes that this branch may make a good lode in greater depth.

Winze, No. 11 (see Candado Section).—We have sunk this winze last month 3 fms. 1½ ft.; the ground was very good for sinking, but the mineral ve

Number of miners at work:—Europeans, 10; natives, 101. Ground expended in square fathoms, 109 fms. 17 ft. Ores raised, 555 tons.

Reduction Officers' Report for August.

The returns for the month of August consist of four ing ts, weighing together 32 lbs. 11 oz. 13 dwts., and containing by my assays of fine gold 20 lbs. 2 oz. 15 dwts., and of fine silver 11 lbs. 5 oz. 5 dwts. The total loss in the whole treatment appears at 4875 per cent. Produce of fine gold per ton of ore treated, 5 dwts. 1g. rg. of tails and refuse re-dressed, 4 dwts. 12 grs.; produce of fine gold per stamphead at work, 15 oz. 5 dwts. 19 grs.; mercury consumed appears at 4558 oz. troy =10 · 45 parts = 313 dwts. avoirdupois; concentration prior to amalgamation as 2 · 29 to 100; number of stampheads at work 15 / 3, at the rate of 23 cwt. per diem. During this month, there have been treated, 600 / 4 tons of rough ores, of which 213 / 4 tons from the Candado, and 388 / 4 tons from the Cruzada lode.

The Stamping Mills are all in good order, only mill union has been stopped entirely for a few days, because the outside gudgeon got loose, and required to be secured again; the arrastre is also in good order. The rain fallen during the month amounts to 4 / inches.

From the above statement, it will be observed, that the returns, when compared with the quantity of ores treated, have fallen off considerably; the reason is, that only a small portion of these ores were of that free decrepitate nature in which the gold is generally found in larger particles, and the rest consisted of a very hard compact pyrites, looking, as the miners' say, "very hungry." This latter sort of ore contains the gold in an exceedingly minute, almost impalpable state, which only can be freed from the pyrites by long-continued trituration, to which also we must attribute the increased consumption of mercury.

ASCENT AND DESCENT OF MINERS IN DEEP MINES.

It will be seen from an advertisement in another part of our paper, that It will be seen from an advertisement in another part of our paper, that the sums pláced at the disposal of the Royal Cornwall Polytechnic Society, for the purpose of promoting the application of machinery to facilitate the ascent and descent of miners in the deep mines of Cornwall, amount to 5407. This is certainly a handsome sum, and highly creditable to Cornwall, especially as it has been contributed by a few individuals only, who take a deep interest in the success of every scheme which is likely to lessen the sufferings of humanity. Further sums will, however, be required, and we have little doubt of their being forthcoming in answer to the appeal now made—to which subscription we gladly contribute the sum of Ten Pounds.

It is already known to our readers, says the editor of the West Briton.

It is already known to our readers, says the editor of the West Briton, that the Minister of Finance in Hanover, has kindly furnished Alfred Fox, Esq., the Hanoverian Consul, at Falmouth, with documents explanatory of the method of ascending and descending the deep mines of the Hartz; and we are now enabled to state that a circular has been printed by the society, containing drawings and estimates of this method, with alterations and improvements, by Mr. E. O. Tregelles, civil engineer, which may be obtained from the secretaries or agents. This circular, with the accompanying engraving, is an important document, and we hope it will be extensively read by all persons who take an interest in the subject to which it relates. According to an estimate which it contains, it appears that the total cost of machinery for descending and ascending mines 200 fathoms deep, would be about 2365L; and that a less costly modification of the machinery may be estimated at about 1965l. The following statements and observations conclude the circular, with the exception of a table which we cannot conveniently insert:— It is already known to our readers, says the editor of the West Briton cannot conveniently insert :-

we cannot conveniently insert:—

"The cost of fuel required to raise one man 200 fathoms may be estimated thus—160 lbs. the weight of a man × 1200 feet=192,000 lbs.—say 200,000 lbs. If the duty of the engine be taken at 15,000,000 lbs. raised one foot high by consuming a bushel of coal, we have the result of 1-75th part of a bushel, as the quantity of coals consumed in raising one man.

"The general charges, including wear and tear of machinery, may be estimated at 20s. per day, or 1d. per day, per man, if used by 240 men; and the cost of coals for descending and ascending once, at \(\frac{1}{2}d \), per man, it therefore the general charges and the cost of coals would amount to 1\(\frac{1}{2}d \), per day for the total cost of each man.

total cost of each man.

The expenditure of labour in descending and ascending the Cornish mines

by ladders, is plainly exhibited in a note at page 10 of the report of the Cornwall Polytechnic Society, for 1834, to be equal on an average to one-fifth of the day; if we take the average weekly earnings of miners at 15s., we have 3s. per week as the cost of the descent and ascent of each person; whereas,

the day; if we take the average weekly carmings of mines a loss, whereas, so, week as the cost of the descent and ascent of each person; whereas, by the foregoing calculation, it appears that by the apparatus, it would cost only 1½d. per day, and the time occupied may be estimated on an average at twenty-four minutes per day, or 120th of the time, which equals 9d. per week, which added to the cost, is 1s. 6d. per week on each person, and the annual saving on 10,000 men, would be 39,000l.

"But the benefit conferred by diminishing the fatigue tending to shorten life, cannot be reduced to accurate calculation. It appears, however, by an easay on this subject, laid before the Polytechnic Society at its last annual meeting, 'ti at the occupation of the miner shortens his life by at least twenty years;' not that the whole of the injury sustained is chargeable to the descent and ascent by ladders, but it must be admitted, that a large portion is attributable to excessive fatigue, in climbing from a great depth, at the end of a laborious day's work."

SIR JAMES ANDERSON'S STEAM CARRIAGE. - In a communication to Saunders's News Letter, Sir James Anderson states that recent trials of his engine have given the following results:—" One hundred weight of coke per hour produces 7500 gallons of steam per minute, driving the engine at a speed of twelve to fifteen miles per hour, at a pressure of 50 lbs. to the inch, and giving about 4000 gallons of steam per minute beyond the required consumption. In other words, this immense power is obtained at a cost of one penny per mile!"

LONDON AND GREENWICH RAILWAY.—The number of passengers on the line from the 7th to the 13th inst., was 23,691, producing (including creek and footpath) 6171. 19s. 2d.

creek and footpath) 5171. 19s. 2d.

SHEFFIELD AND ROTHERHAM RAILWAY.—We are informed that, from the 1st to the 30th of November last inclusive, 37,644 passengers have been conveyed on the above railway, averaging more than 1254 per-

AND BRADFORD RAILWAY .- We are glad to find, that LEEDS AND BRADFORD RAILWAY.—We are glad to find, that the important question of a railway communication between Leeds and Bradford is once more revived, under circumstances which induce us to hope it may at length be realised. From a recent, but somewhat cursory survey of the country, it has been found that the best, if not the only practicable of the country, it has been found that the best, it not the only practicable line, is through the valley, by way of Shipley; and, although this will undoubtedly increase the distance four miles, namely, from ten to four-teen miles, this is a matter of very inferior moment, as by that route very easy gradients may be obtained, not greater than eleven or twelve feet in the mile; independent of which, the line is generally free from serious engineering difficulties, and the land necessary to be purchased is of moderate value. —Lacel Marchays.

the mile; independent of which, the line is generally free from serious engineering difficulties, and the land necessary to be purchased is of moderate value.—Leeds Mercury.

Glasgow, Paisley, Kilmarnock, and Ayr Railway.—This great national undertaking is carried on most satisfactorily, and the whole expenses yet incurred have not exceeded the Parliamentary estimate—a circumstance as unprecedented as creditable to Mr. Miller, the engineer. The same may be said of the first part of the line as far as Paisley, which is executed by Mr. Locke, for the Ayrshire and Greenock companies jointly. The whole line will be completed by the time the Glasgow end is ready, which will be in the spring of 1840; and this circumstance being known, must, we should imagine, operate favourably on the shares in the market, which have been depressed by the doubt so imprudently allowed to exist in the mind of the public as to its completion, and the sufficiency of the traffic to secure a remunerating dividend. This, we are assured, is beyond all doubt more than sufficient, even at present, to pay upwards of 10 per cent, on the outlay, which will not come up to what was expected by nearly 100,000L; whilst the prospect of an accession to it by the trade which must accrue from the ports and harbours at its extremities, and the great contemplated line from Carlisle, by Dumfries to Kilmarnock, will make it one of the most profitable investments in the kingdom. On the portion between Ayr and Kilwinning, the work is proceeding briskly. The tacksman of the Bellrock Quarry, who has contracted for 30,000 stone blocks, has already about 1500 drassed, bored, and ready for laying. The Margaret of Newport arrived on Saturday last, with about 1300 of 15 feet rails, which the contractors will immediately commence laying. The enclosure walls are almost wholly completed; and the line between Ayr and Kilwinning, the work is proceeding briskly. The enclosure walls are almost wholly completed; and the line between Ayr and Kilwinning, the open and the whole

and Kilwinning is expected to be opened in June next, and the whole me in spring 1840.

Manchester and Leeds Railway.—The portion of this extensive undertaking which lies betwixt this town and Rochdale is in a very satisfactory state of forwardness, and will, in all probability, be opened in May or June next. Of the part betwixt Mills Hill and Rochdale, which was the most heavy and difficult, about three parts in the hundred only remained unfinished in the middle of November. The cuttings and embankments, the latter including the important one of Mills Hill and Castleton Clough, were nearly perfected, and permanent rails will be laid in good time on the whole of those works. The bridges, from a difficulty in obtaining stone, were the only works not in a corresponding state of fortime on the whole of those works. The bridges, from a difficulty in obtaining stone, were the only works not in a corresponding state of forwardness. The tunnelling at the summit is proceeding as fast as human skill and activity can promote it, and at Gauxholme a large muster of workmen are daily employed in sinking foundations and cutting stone for the erection of warehouses and other requisite buildings.—Manchester

Guardian.

The Parston and Longridge Railway.—This line of railway commences, at its eastern extremity, in a field on the western part of an estate near Longridge, lately purchased by the railway company, situated in the township of Dilworth, and is about 200 yards from the high road leading from many of the trading towns in the eastern parts of Lancashire and Yorkshire, to Preston; it is the same distance (about 200 yards) from the celebrated stone quarries called "Tootal Heights." The entrance to the railway is cut out of the solid rock, with which material the easter payunds. From this entrance to the railway is cut out of the solid rock, with which material the easter shoulds. from the celebrated stone quarries called "Tootal Heights." The entrance to the railway is cut out of the solid rock, with which material the estate abounds. From this entrance there is a fine view of the Chippinghills, and the diversified scenery which adorns the landscape below. The railway in this place, from the entrance, extends in a straight line about 200 yards, at the termination of which length it is continued in the form of a curve, over a viaduct of one arch, which is being erected over the tramroad called "Wilkinson's Old Lane." It then extends in a direct line for about three miles, leaving, on the south side, the village of Longridge, at a distance of about 300 yards; it then passes under another bridge, built at the four-lane-ends, in the township of Alston; to the west, or rather north-west of which is the beautiful mansion called "Gleadale House," late the residence of James Dilworth, Esq., which lies within a few hundred yards from this part of the line. In this locality the railway is about 200 yards from the public highway to Preston, so that any weight or bulk of goods of any kind, might be readily conveyed from the station-house that will, in all probability, be erected near the Alston four-lane-ends bridge. The road, further west, proceeds towards the Plough Inn, in Grimsargh, which it passes within ten yards of the front door, having to the right the elegant residence of James Blanchard, Esq., and is carried in a straight line to the eastern part of the Parsonage-house in Grimsargh, occupied by the Rev. Mr. Grainger. To the south is the antique residence, called "Red Scar," the seat of Mrs. Cross, reliet of the late W. Cross, Esq., which mansion is surrounded by a profusion of beautiful scenery. In this direction is another bridge, built of wood, under which the line is constructed; it then passes the garden of Grimsargh School, and thence, without any material angle or curve, proceeds under another bridge, near to Ribbleton brow. Thence it proceeds in a regular direction to the terminus

past, upon the subject of railways in Ireland, and which is understood to represent the views of private enterprise in contradistinction to the Charlemont-house committee, which inclines to the Government plan, has, it seems, agreed to a report, which was presented to Lord Morpeth by a deputation on Saturday last. Sir S. O'Malley, Bart., Messrs. James Dwyer, St. George, Bermingham, &c., formed the deputation, and explained the labours of the committee, and the conclusions arrived at. The interview lasted more than an hour. Lord Morpeth is reported to have expressed himself decidedly against any grants of public money for railways, and to have characterised the hope of such a thing as a mere delusion. He added, however, that he thought the introduction of railways into Ireland might be encouraged by loans. The deputation, as we are informed, withdrew with a conviction that the scheme, if ever it really existed, of making railways in Ireland at the public expense, has been utterly abandoned by the Irish government.

BRUSSELS, DEC. 10.—The iron railroad from Brussels to Quievrain is proceeding in a very satisfactory manner, and the time is not distant when

proceeding in a very satisfactory manner, and the time is not distant when our railway will reach the frontier of France.

CORNISH CHINA CLAY.—The Kaolin or China clay is very white, and more unctuous to the touch than those upon the continent of Europe. Like them it results from the decomposition of the felspars and granite, occurring in the middle of these rocks. Mr. Wedgewood found it to contain 60 of alumina or pure clay, and 40 of silica, in 100 parts.—Ure's Dictionary of Arts.

-M. Maravigno, the Professor of Chemistry in the Univer SULPHUR.—M. Maravigno, the Professor of Chemistry in the University of Catania, who possesses a very numerous collection of the crystallised sulphur of Sicily, refers the formation of this substance to the period of secondary rocks. He disputes the assertions of Professor Gemellaro, who pretends that sulphur owes its origin to the decomposition of mollusca—an assertion which has been reproduced in Germany by Professor Leonhard, of Heidelberg. He thinks, that, whilst the secondary formations were being deposited, the currents of acid hydro-sulphuric gas, from the interior of the earth, came in contact with the blue mark held in suspension in water, and that the acid in decomposition, produced deposits of pension in water, and that the acid, in decomposing, produced deposits sulphur, which are still found mingled with the marl. He notices the plorable system still used in Sicily for extracting sulphur, in which he says that 17 parts are lost out of 18. He then describes the different forms which the crystals present, the first of which has been discovered by him; it is that of a straight rectangular prism, the solid angles of which are truncated, and replaced by triangular facets. BRISTOL AND GLOUCESTERSHIRE EXTENSION RAILWAY.

BRISTOL AND GLOUGESTERSHIRE EXTENSION RAILWAY.

It is a source of much satisfaction to us to have it in our power to sumounce, that such arrangements have been made for proceeding with this undertaking (than which we do not think there exists at the present time one of more importance to the commercial interests of Bristol), as leave no doubt of an Act of Parliament being applied for and obtained in the ensuing sension. It will be recollected, that the Bill brought before Parliament in 1837 was defeated through the instrumentality of a rival company formed in Glouesser. We now understand that this opposition has not only been withdrawn, but that the promoters of the Glouesster measure have agreed to join the extension company, viz., the formation of a railway between Bristol and Glouesster. We now understand that this opposition has not only been withdrawn, but that the promoters of the Glouesster measure have agreed to join the extension company, and to become shareholders in that undertaking; thus giving it the benefit of their aid and support, both in a pecuniary point of view and in the promotion of the measures necessary for carrying the Bill through Parliament. Upon so satisfactory an arrangement of this, the great difficulty which the directors have had to contend with, we beg to offer our congratulations to our fellow-citizens and to the subscribers, who are, we think, much indebted to the directors for their exertions towards the attainment of this important object, and the judgment they have displayed in bringing it to suscessful and satisfactory a result. In anticipation of success attending orders relative to notices and deposits to be complied with. So far, therefore, as these measures are concerned, they are now in a situation to proceed with the Bill, which will be brought into Parliament in the next session. It has, we understand, been arranged, that as the funds already puld by way of deposit are sufficient for proceeding with the Bill, no further deposits to be paid by the existing subscribers

EDINBURGH AND NEWCASTLE RAILWAY.

EDINBURGH AND NEWCASTLE RAILWAY.

Mr. George Stephenson, in his report to the committee appointed to adopt preparatory measures for the formation of a railway from Newcastle to Edinburgh, after a careful examination of the two lines proposed, and considering their relative merits in a national, commercial, and local point of view, states, in reference to the coast line by Berwick, that he never examined a country for a line of railway on which the works to be executed were of an easier description, or the levels and inclinations of a more favourable character. By carrying the line near the sea-coast, nearly throughout the whole distance, the necessity of a great number of occupation and public road bridges is avoided; and throughout the whole route there does not appear to him to be a single difficulty of any importance. Of the midland line, commencing at Newcastle and running near Stamfordham, Otterburn, crossing the Carter Fell, by Jedburgh, Melrose, Galashields, to Peebles, and diverging from thence to Edinburgh and Glasgow, he observes, that after examining this route, he found the country present difficulties so great in amount, that he did not hesitate to say it was quite impracticable for locomotive inclinations. The tunnelling of the Carter Fell alone could not be less than eight miles, in order to obtain suitable gradients for locomotive engines; a difficulty which, without taking numerous other obstacles into account, Mr. Stephenson considered put an end at once to all discussion upon the subject. Mr. S. states in his report to the directors of the Edinburgh and Dunbar Railway, with which the coast line from Newcastle would communicate, that from what he knew of the country, and the various routes which have been proposed through the east, centre, and west of the island, between England and Scotland, that no line could be found equal to the one on the eastern coast, both as regards gradients, expense, and population. By adopting the low country line great facilities would be afforded for constructing

GLASGOW, PAISLEY, AND GREENOCK RAILWAY.

GLASGOW, PAISLEY, AND GREENOCK RAILWAY.

We learn that the directors, at their last meeting, let the two remaining contracts on this line, Mr. Brassey having gained the Walkinshaw, and Mr. M'Kenzie the Finlayson. Judging from the rapid progress already made by these gentlemen at Arkleston and Bishopton, there is no doubt but the opening of the railway to the public in the early part of the summer of 1840 is secured. We understand that at the Bishopton ridge nearly 100,000 cubic yards have been excavafed; that one steam engine is already at work for pumping the water and hauling the rock from the tunnels, and that another engine is preparing here at Messrs. Johnstons' works. At Arkleston the same rapid progress has been made, the tunnel-shaft is completed, and the tunnel commenced. About 90,000 cubic yards have been excavated, and ballast of a superior quality has been found in great abundance. In this town the masonry for carrying the railway over the streets is proceeding rapidly for the season; four arches are turned, several others are in hand, and a length of wall is built. The works are equally stirring at Port-Glasgow, where, for nearly half the length of the town, the masonry is in progress. In Paisley the large bridge over the River Cart is built above flood water, which is very creditable to the contractor, Mr. Lyon, who only commenced work late in the season. The bridges over Gilmour-street and Greenlaw-street, together with the retaining walls, are also considerably advanced. Two cargoes of rails have arrived from Bristol, and several miles of the road will be laid early in the spring. The energy and judgment displayed by the directors in their management is creditable to them, and must be satisfactory to the shareholders, for we are glad to observe that without efforts being resorted to for that purpose, the shares hold a most respectable position in railway stock, even in this the dullest month in the year, although the real merits of the line are so little known beyond our own neighbourhood. If so noating population which is constantly passing, they would not be surprised to learn that the engineer was directed, at the last meeting of the board, to prepare engines and carriages for 2000 passengers and 300 tons of goods per diem.—Greenock Advertiser.

New Parchment.—M. Pelouze states, that, if a piece of paper be plunged into nitric acid at 1.5 of density, and left in it a sufficient time for saturation, say two or three minutes, and immediately washed in plenty of water, a species of parchment is produced, which is impervious to damp, and is extremely combustible; and that the same change takes place in cotton and linen stuffs. They owe this property to the xyloidine, which M. Pelouze has found in starch, when treated with nitric acid and water. water.

Anthracite Formation of Pennsylvania.—This formation occuries a space of 200 miles long by about 30 broad, having its beds often cropping out above the level of the running waters of the country. These beds are from four to nine feet in thickness, and the coal has a specific gravity of 1°279, containing 22½ per cent. of volatile matter. Its dip is generally very triffing, being one inch in a yard, so that it is easily worked by lead drifts; in one place, however, there is a greater dip, it there forming an angle of about 30°. It is used in the iron manufactories of Pittsburg, but for smelting the ore the miners prefer charcoal.

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CONSOLIDATION OF THE GENERAL AND TWOPENNY The following notice has been issued by the Post-office :-

The following notice has been issued by the Post-office:

"General Post-office, Dec. 1838.

"General Post-office, Dec. 1838.

houses within the three-mile circle will be consolidated; consequently, from of general, foreign, ship, and twopenny post letters, both paid and unpaid, with the exception of the receiving-houses at No. 24, Cornhill, No. 21, Charplaces general post paid letters cannot be received, as they would interfere gith their duties, while little inconvenience will be sustained by the public, at they are in the immediate vicinity of the branch offices of the general post at Lombard-street, Charing-cross, and Vere-street.

(Signed) "W. S. MABERLY, Secretary.

"N.B.—On and from the day of the consolidation, general post letters for

"N.B.—On and from the day of the consolidation, general post letters for moraing of the day on which the mails are dispatched. Newspapers, how-coffice, as at present."

Parce of Shares in Bermingham.—Birmingham Banking Company, 231, 15s.; London Joint Stock Bank, 131, 15s.—London and Birmingham Railway, 1681.; ditto, quarter shares, 281, 17s. 6d.; Great Western, 751. 10s.; Birmingham and Gloucester (401. paid) 241.—Old Birmingham Canal, 2201. ex div.; Warwick and Napton, 2071.—Birmingham Fire Office, 1201.

BANK OF ENGLAND.—QUARTERLY AVERAGE OF THE WEEKLY LIA-BILITIES AND ASSETS, FROM SEPT. 18 TO DEC. 11, INCLUSIVE:—

Circulation	LIABI			1	SETS.	
Deposits			£18,469,000 9,033,000	Securities Bullion	 -::	£20,707,000 9,362,000
Downing -	street,	Dec.	£27,502,000 13.	STATE OF THE STATE OF	bar q	£30,069,000

THE EXPORTATION OF THE PARCIOUS METALS.—The exportation of the precious metals from the port of London to foreign ports for the past week, ending the 11th inst., is as under:—Gold coin to South Australia, 2280 oz.; Madras, 1780 oz.; Hamburgh, 325 oz.; Mauritius, 100 oz.; Bussorah, 20 oz.; bars to Madras, 250 oz. Silver coin to Swan River, 20,000 oz.; British West Indies, 35,280 oz.; South Australia, 3845 oz.; Gibraltar, 8,700 oz.; Bussorah, 8150 oz.

COAL PIT ACCIDENT.—On Sunday week, the coal pit, called Park Colliery, at Worsborough, near Barnsley, was discovered to be on fire, and before it could be extinguished two valuable horses were suffocated. It seems that one of the colliers had on Saturday, previous to leaving his work, been firing a shot, and it is supposed the blast had ignited the gas that came through a fissure in the coal, similar to gas coming out of a jet, as we are informed it does in some instances, and thus set fire to the coal. We are informed that the colliers in this pit are in the habit of lighting the gas that escapes through those fissures by which they work.

[Is it possible that the manager of this colliery can permit so dangerous a practice? Should any more serious accidents occur, a heavy responsibility will be incurred, more especially after the present public notice of the circumstance.—Ed. M. J.]

PRODUCE OF THE IRON MINES OF THE UNAL.—In a volume of mo-

lity will be incurred, more especially after the present public notice of the circumstance.—Ed. M. J.]

Produce of the Iron Mines of the Ural.—In a volume of modern travels by a German, we find the following account of the produce of the iron mines of the Ural, in Siberia (the Merthyr Tydvil of Russia). The mineral resources of both countries seem to be inexhaustible. In quantity as well as in financial importance, the iron undoubtedly far surpasses the other metallic produce of the country. There is annually fabricated the enormous quantity of 7,400,000 poods (132,000 tons) of iron of which quantity four-sevenths are consumed by the inhabitants of European Russia, two-sevenths by those of the Asiatic division of the empire, and one-seventh is exported to the south and south-west. As the total population of the Russian empire is estimated to be about fifty-three millions, we are justified in supposing that, the inhabitants of contiguous countries included, not above seventy millions of men divide among them annually the above-mentioned quantity of metal; whence we arrive at the surprising conclusion that in that quarter of the earth, every individual consumes annually above four pounds of iron. If the quantity of iron annually produced in the Ural were united into one mass, it would form a ball of only fifty feet diameter; and supposing the ore to have five times the bulk of the metal which it yields, the consumption of 100, years would yet reduce the Ural only by a spherical mass of 403 feet in diameter. From this point of view we see in a striking manner the littleness of human labours; for the ore consumed in 100 years falls greatly short of the rich mass of the hill of Blagodat alone, where it rises from the plain near Kushva; and many centuries must roll over, before the superficial ores near the Uralian mines, now in operation, can be entirely exhausted.

Lace Made by Caperillans.—(From a Correspondent.)—A most extraordinary species of manufacture has been contrived by an officer of

near the Uralian mines, now in operation, can be entirely exhausted.

Lace Made by Caterpillars.—(From a Correspondent.)—A most extraordinary species of manufacture has been contrived by an officer of engineers residing at Munich. It consists of lace and veils, with open patterns in them, made entirely by caterpillars. The following is themode of proceeding adopted:—Having made a paste of the leaves of the plant on which the species of caterpillar he employs feeds, he spreads it thinly over a stone, or other flat substance of the required size. He then, with a camel-hair peneil dipped in olive-oil, draws the pattern he wishes the insects to leave upon. This stone is then placed on an inclined position, and a considerable number of the catterpillars are placed at the bottom, and a considerable number of the catterpillars are placed at the bottom, and a considerable number of the catterpillars are placed at the bottom, caring and spinning their way up to the top, carefully avoiding every part touched by the oil, but devouring every other part of the paste. The extreme lightness of these veils, combined with isome strength, is truly surprising. One of them measuring 26½ by 17 suches weighed only 1½ grain, a degree of lightness which will appear more trongly by contrast with other fabrics. One square yard of the substance of which these veils are made meighs 4½ grains, whilst one square yard of silk gauze weighs 137 grains, and one square yard of the finest net weighs

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Sunday 9 26,5... 37 | 30,28 ... 30,24 || Winds, N. and S. W. Except the 6th, 6th, and 10th, generally cloudy; rain fell on the morning and afternoon of the 7th.

Rain fallen , 175 of an inch.

CHARLES HENRY ADAMS.

SALE OF BLACK TIN AT TRELOWETH. DECEMBER 11.

Purchasera

Williams. Batten & Son.

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SALE OF COPPER ORES AT REDRUTH. Sampled, Nov. 28, and Sold at Andrew's Hotel, Redruth, Dec. 13.

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Quantity of ore, 3101.—Opentity of	age produce, 81.—Average price, 61, 12s, 64

Average standard, 1131. 10s.—Average produce, 84.—Average price, 61. 12s. 6

Quantity of ore, 3191.—Quantity of fine copper, 263 tons 4 cwt.—Amount money, 21,1024. 6s. 0d.—Average standard of last sale, 1144. 16s.—Produce, 78.

Nines

Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth. Mines and Parcels.—Tresavean, 399; Fowey Consols, 270; Wheal Julia, 170; Wheal Harmony, 138; Godolphin, 130; Duffield Mines, 122; Trethellan, 89; Wheal Burrow, 89; Wheal Gorland, 76; Treleigh Consols, 52; Wheal Curtis, 47; North Downs, 44; Wheal Damsel, 26.—Total, 1634. Copper ore for sale on Thursday week, at Andrew's Hotel, Redruth. Mines and Parcels.—Consols Mines, 745; United Mines, 734; Great St. George, 512; Fowey Consols, 309; Wheal Perran, 105.—Total, 2405.

SALE OF GOPPER ORES AT SWANSEA,

Copper ores for sale on the 19th of December:—Allihies 84, ditto 82, ditto 42, ditto 49—Ballymurtaeh 116, ditto 106—Knockmahon 128, ditto 92—Coplago 81, ditto 8—Caba 101, ditto 55—Norway 123, ditto 12+Chill 63, ditto 19—Fenralit 30, ditto 8—Margam 29—Bryn-y-felin 11—Total 1299,

PRICES OF MATERIALS IN CORNWALL

	ES AT LIVERPOOL.
	Leicester & Swanning
	New shares 25 40 15
	Bootle ditto.
Kenyon and Leigh dista	Exchange Buildings 100 163 0
Kenyon and Leigh ditto 100 Wigan Branch ditto 100	Ocean Assurance Company 10 6 10
St. Helens & Runcorn Gap 100 78 10 0	
Grand Junction ditte	Manchester and Liverpool 23 12
Brand Junction ditto 100 204 0 0	
Ditto Half shares 10 54 10 0	District Bank 15 20 10 0 Royal Bank of Liverpool 500 710 0 0
ondon and Birmingh. do. 90 170 0 0	Commercial Ronk of Vi
	Union Rank of Liver. 10 20 0 0
eeds and Manchester do. 50 67 10 0	Union Bank of Liverpool. 10 20 0 0 Liverpool Banking
	Liverpool Banking 10 13 12 6
orth Midland ditto	Albion
	of England
	of England 10 3 5 0
	North & South Wales Bank 10 10 17 6
	East of England Bank 10 7 10 0
	Borough Bank 10 7 10 0
	Royal Rock Ferry 20 7 17 6
14 10 17 6 1 2	Monk's (Woodside) 17 7 17 6
	1 1/ 6

Wheat...p.Qr. 68s to 84s Matt. ...p.Qr. 50s to 63s | Oats...p.Qr. 24s to 84s

				Mait. Peas. Beans Beans GE PRICE Oats 25s. Id.						
708.	64.	348.	5d. 1	25a, 1d.	199	ye	Bean	8 1	Pe	eas
789.	Od.	AGG	REGATI	23s. 10d.	FOR THE	E LAST	SIX WEDE	u. I	443.	5d.
1					408.	od.	40s. 40	1. 1	435.	14.
ls.	Od.	1 12s.	44. 1	128. 8d.	1 120	CORN.				
Ke.	94	Duties	on Grai	ns from Brit	ish Poss	essions	98. 6d.	1	58.	0d.
00.	ou,				1 08.	va.	38. 00	1. 1	3s	04.
				FLOUR 65s to 76						

-		Norfolk and Stockton50s to 5
	Linseed	F SEEDS.
- 1	SMITHERE	The state of the s

SMITHFIELD, FRIDAY, DECEMBER 14. To sink the offal—per 8lb. Beef.......3s. 8d. 5s. 0d. 5s. 4d. (Veal Best Down & Polled Mutton...5s. 4d. (Pork......4s. 2d. 5s. 0d. 5s. 4d Head of Cattle on Monday—Beasts, 3664; Sheep, 24,820; Calves, 86; Pigs, 502. Head of Cattle this day—Beasts, 1720; Sheep, 3,900; Calves, 145; Pigs, 370.

A-11 0			D	OMI	Veal	. 0
Oxen Cows and Heifer . Sheep	. 9	CA	48.	64.	Pigs 4s. 0d. 4s.	-d

Tuesday, December 11.

Tuesday, December 11.

INSOLVENTS.

Dec. 10—William Benjamin Reeve, Brighton, victualler.
George Eld, Coventry, miller.
11—Robert Tabor, Hoxton, shipowner.
George Gladwyn, Billericay, Essex, grocer.
BANKRUPTS.
W. Wyllie, Castlebar-park, Middlesex, merchant. [Freeman and Bothamley, Coleman-street.
O. T. J. Stocken, Walham-green, brewer. [Fyson, Tokenhouse-yard.
D. Fairhead, Witham, Essex, baker. [Brooksbank and Earn, Gray's Inn-square.
G. Gray, Brunswick-street, Stamford-street, Blackfriars-road, livery-stable-keeper.
[Lang, Fenchurch-street.
R. Richardson, Birmingham, publican. [Newton and Ensor, Gray's Inn.
J. Roberts, Warwick, corn dealer. [Newton and Ensor, Gray's Inn.
J. Roberts, Warwick, corn dealer. [Newton and Cragg, Gray's Inn.
J. Sellers, Yeovil, Somersetshire, drowe, Garey, and Co., Southampton-buildings.
J. Sellers, Yeovil, Somersetshire, drowe, Garey, and Cragg, Gray's Inn.
T. Clegg, Wigan, Lancashire, ironfounder. [Johnson, Son, & Weatherall, Temple,
CERTIFICATES to be granted, unless cause be shown to the contrary, on or
before Jan. 1.

J. P. Fenner, Bishopsgate-street within, leather-factor.—T. Weaver, Lower-st.,
Islington, butcher.—J. Harries, Carmarthen, timber-merchant.

Friday, December 14.

Friday, December 14.

Friday, December 14.

INSOLVENT.

Dec. 14,—Thomas Benjamin King, Aldgate, victualler.

BANKRUPTS.

H. Stephenson, Gutter-lane, Cheapside, Iace-warehouseman.

J. Gay, Gloucester-place, Vauxhall-walk, Lambeth, builder.

[Harpur, Kenniger, Cheapside, Lambeth, builder.

[Cheapside, W. J. D. Arnold, Norway-wharf, Westminster, coal-merchant.

[Dods and Link-H. Kerr, Woodwich, tailor. [Goldfinch, Southampton-buildings, Chancery-lane.

R. Neech, Jun., Pakefield, Samfok, cattle-dealer.

[Hitchling, Lowestoft, Suffok.

J. Graham, Manchester, draper.

[Appleby, King's-road, Bedford-row.

Graham, Manchester, draper.

[Appleby, King's-road, Bedford-row.

Bedford-row.

Lambert, Lianelly, Carmarthen, draper.

[Poles and Gamlen, Gray's Inn.

CERTIFICATES to be granted, unless cause be shown to the contrary, on or before Jan. 4.

J. Matthews, Tooley-street, Southwark, linendraper—J. Atkinson, King Williamstreet, City, tarpaulin-manufacturer—B. Walker, Sheffield, cabinet-maker—T. Court, Temple Baisall, Warwickshire, innkeeper—C. Jackson, Great Newport-street, feather-bed-maker.

COAL MARKET, LONDON.

MONDAY.

Prices of coals per ton at the close of the market:—Bensham 19 9, Brampton 18, Burdon 21, Elsicar 18, Hartley 22, Hebburn Main 22 3, Pontop Windsor 22 9, 27, South Hartley 19 6, West Hartley 22 6, Wells End Adelaide 23 6, Barrington Co. 20, Devonshire 22, Gosforth 23, Hetdon 23, Hidda 22, Haswell 24, Clarke and Hartlepool 24 9, Lambton 24 3, Newmarch 21 8, Pemberton 21 6, Riddlift 23, Hetdon 24, Stewart's 24 3, Tees 23 9, Walker 22 9, Whitwell 28 3, West Hetton 24, Stewart's 24 3, Tees 23 9, Walker 22 9, Whitwell 28 3, West Hetton 23,—Ships arrived since last sale, 110.

stewart's 24 3, Tees 23 9, Walker 22 9, Whitwell 23 3, West Hetton 23.—Ships arrived since last sale, 116.

WEDNESDAY.

Adair's 19 9, Chester 20 6, East Percy 19, Holywell Main 21 6, Leaze's Main 17 6, Ord's Redheugh 18 6, Willington 22 9, Wylam 22 6, Blyth 17 6, Netherton 21 8, Northumberland 21 6, Perkins 21, Riddell's 23, Hetton 24 3, Lambton 24 6, Stewart's 24 9, Whitwell 28 6, Hartlepool 24 9, Adelaide 28 6, Gordon 23, Tees 21 8, Northumberland 21 6, Perkins 21, Riddell's 23, Hetton 24 3, Lambton 24 6, Stewart's 24 9, Whitwell 28 6, Hartlepool 24 9, Adelaide 28 6, Gordon 23, Tees 21 8, Most 19 9, Burdon 21 6, Carr's Hartley 21, Holywell Main 17 9, Original Windsor Pontop 22 6, Tanfield Butes 22 9, Wylam 22 6, W. E. Heaton 23, Hilda 22 3, Killingworth 22 6, Newmarch 21 6, Northumberland 21 6, Braddyll's Hetton 24 6, Haswell 24 3, Hetton 24 3, Lambton 24 6, Stewart's 24 6, Whitwell 23 6, Adelaide 23 6, Crag-Hetton 23 3, Blytn 17 6, Brampton 18, Howard's Netherton Main 19 9,—Ships artived, 41.

102	THE MINING JOUR		I BRIGHT
PRICES OF STOCKS.	PRICES OF SHARES.	PRICES OF SHARES.	PRICES OF SHARES.
ENGLISH PUBLIC PUNDS. Sazerday, Manday, Tuneday, Wadwarday, Intercoay, Priday	186 - 184 - 1	No. of Shares . 10 10 10 10 10 10 10	Name of the state
Bank Stock, 8 per Cent. 2024 2 2024 3 2024 3 203 206 24 3 per Cent. Red. Anns. 92 2 3 30 2 3 2 3 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 2 3 9 3 3 3 3 9 3 3 3 9 3 3 3 3 3	*** 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		25 000 April 2 Com of land 115 10
25 per Cent. Anns	1,800 Arigna Iron & Coal Co. 50 38 4,000 Bissoe Bridge 5 5 14 14 14	10,000 Anglo Mexican Mint 10 10 102 103 104 40,000 Anti Dry Rot	10,000 Bank of Birminghm. 50 10 10 Mar. 10,000 Birmingham Bank 50 10 162 10 Mar.
New 5 per Cent	5,000 Boringdon Park	10,000 Australian Agricultur. 100 274 46 46 46 1,080 Auction Mart. 50 50 8,600 Brit. Rock&PatentSalt 50 35 12 12 12 6,000 Bahia Steam 10 6 5 5 5 British Alkali. 25 30 30 30 6 6 900 Brit. August Land Co. 25 31 11 11 11	500,000 British Linen Co 100 100
India Stock, 104 per Cent	100 Copper Bottom	20 000 Brit America Land Co Jo 11 10 11	20,000 British North Amer. 50 25 25 19 1,000,000 Commercial. 100 100 183 2 2 2 2 2 3,000 Equitable Loan Co. 9 10 2 2 2 2 3,000 Equitable Loan Co. 9 10 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3
Bitto Old Ann. 8 per Cent	2,000 East Cornwall Tin, &c. 6 6 3 33	5,600 Eastern Coast of Cen- tral America (Deb. 20 14 8 88	2,000,000 Glaagow Union 50 50 65 19,000 Gloucestershire 50 10 10 Feb. 6,000 Hampshire 50 5 10 Aug. 10,000 Hibernian 100 25 4
India Bonds, 3 per Cent 61 63 p 63 p 63 64 62 p 64 p 62 64 p 62 p 64 p 62 64 p 62 64 p 63 p 64 p 62 64 p 64 p 62 64 p 64 p 62 64 p 64 p	1,500 East Mulberry Hills 24 3 3 3 3 4,000 English	300 Drury Lane do	
Ditto Cons. for Ac. Jan. 16 93 2 94 3 94 3 93 4 93 4 93 4 93 4	2,500 East Whean Strawberry 1	10,000 Edinbur. & Leith Glass	
BANK OF ENGLANDTRANSFER BOOKS.	3,000 Polberou Consols 10 16 24 24 24 25 6 600 Polbreen	2,000 Esset Marine Sait 1,000 Equitable Discount So. 160 23	20,000 North & South Wales 10 10 94 6 5,000,000 National Scotland 10 13
Cossols Wednesday, Dec. 5, Wednesday, Jan. 16, 1839. New 15 per Cent Tuesday, 4, Wednesday, 16, 3 Tuesday, 5, Thursday, 16, 5, Thursday, 10, 10, 11	2,000 Relistian 29 28 28 5,000 Redmoor Consolidated 5 44 5 5 5 10,000 Rhymney Iron	1,600 London Corn Exchan. 25 25 25 8,000 Lond. Caoutchouc Co. 124 124 124 12 125 06,000 Lond. Equit. Loan Co. 10 2	80,0000 Nor &Cnt. B. of Eng. 10 10 5
Sper Cent. 1726 Thursday, , 6, , Thursday, , 10, , New Five per Cent Friday, , 7, , Wednesday, 23, , 23, , Aunusities for terms of years Friday, , 7, , Wednesday, 23, , East India Stock Tuesday , 4, Thursday, 17, ,	5,000 South Wheat Letsure. 5 2 1 4 4 4 8 800 South Towan 10 10 6 6 6 4,000 Tregollan 5 22 32 32 32 32	New Corn Ex. 374 214 214 214 210 20,000 Mexican, New 10 3 10,000 Rio Doce 225 4 22 23 274 274 274 275	20,000 Prov. Bk. of ireland 100 25 45 8 July 4,000 Ditto New 10 10 171 8 2,000,000 Royal of Scotiand 100
Charth Can Chark Priday 7. Wednesday B	6,000 Trevorpus. 5 5 15 14 4 4 5.55 Treleigh Consols. 5 37 4 4 4 5 4 5 5 Treleigh Consols. 5 37 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20,000 Rio Doce	7,009 South African 5 5 5 5 6,000,000 Western of Scotland 30 20,000 W.of Eng. & S. W. Dis 20 123 124 20,000 With and Dorset 15 74 74 5 5
FOREIGN STOCKS.	6,000 Tin Croft 10 64 6 55 193 Trevalus	2,734 Rever Interest Society 100 100 134 134 134 24 2,833 Ditto New 100 50 50 50 — 2,000 Shotts Iron Foundry 38 — 10,000 South Australian 23 10 7½ 72 72 10,000 Safety Carriage Co. 5 3 3½ 3 3½ 4,000 Thames Tunnel 50 6 8 8 8 10,000 Van Dieman's Land. 100 17 13 11½ 11½	GAS LIGHT AND COKE COMPANIES
Belgian, 5 per Cent 162 1004 1004 992		4,000 Thames Tunnel 50 50 8 8 8 8 10,600 Van Dieman's Land 100 17 13 114 114 CANALS.	10,000 Alliance. 10 5 1 13 Sep. 2,500 Bath 20 16 13 Sep. 600 Bradford 25 25 10 5,000 British 40 16 204 14 Nov.
Bearitian	3,000 Wheal Osborne 24 24 24 5,000 Wh. Harm. & Montagne 10 10 10 94 94 22 24 24 24 24 25 2000 West Tresavean 5 2 2 4 4 4	Na. of Price of Blance of Price of Pric	5,000 Do. Provincial
Chiman, 6 per Cent	4,520 West Wheal Jewel 5 5 2 2 2 8 800 Wherry Mine 15 11 12 12 12		1,000 Brighton
Danish, 3 per Cent	0,000 Western Mining Asso. 5 1 4 2 4 4 POREIGN MINES.	720 Barnsley	750 Do. New
Ditto, deferred do	4,000 Alten Mining Company 15,124 11; 11:11	8,000 Birming. 1-16th Share 792 792 218 93 June 4,000 Do. & Liverpool Junet. 125 100 26 — 477 Bolton and Bury 250 250 6 Jan.	240 Canterbury
Feruvian, 6 per Cent.	0,000 Anglo Mexican Co. 100 100 22 23 24 3,374 Do. Subscription 25 25 34 34 3 100 Mint	712 Bridgwater & Taunton 100 100 3 Aug. 400 Chelmer & Blackwater 100 100 101 4 Jan. 16,000 Carlisle	1,000 City of London 100 100 195 10 Sept. 1,000 Do. New 100 60 114 6 Dec. 250 25 25 250 Derby 50 50
Prussian, 4 per Cent		1,500 Chesterfield	180 Dover
Ditto, passive	0,000 Cata Branca Brazilian 10 7 9 5 5 9 0,000 Conceição Co. 10 25 24 2 24 0,000 Cohre Copper Company 40 40 38 37 33	2,0903 Dudley	4,000 Equitable
Ditto, per Cent. 1001 2 1001 2 10 2 1 1001 1001 1001 10		1.297 Forth and Clyde 400 400 580 28 Jan.	20,000 Greenwich Railw. Gas 1
I RUNOU.	,351 Mexican Company 60554 5 5 5 6 600 Mocaubas and Cocaes 25 25112 114 114	11,000 Grand Junction	1,200 Ipswich
	,000 Minas Geraes 20 10	8,096 Grand Western 100 100 12 13 Sept.	240 Leicester 50 50 750 Leith Coal Gas 20 20 20 20
### per Cent. Ann	,500 Rio de Anori	749 Do. (optional) Notes. 60 60	200 Maidstone. 50 50 100 9 Feb.
	Red New Scrip 5 27 27 27	1,699 Lancaster 474 474 24 14 Mar.	304 Poplar
Dec. 13, 1836.	Black Serip. 5 4 4 4 5 4 6 6 6 6 6 6 6 6 6	25 25 25 25 25 25 25 25	400 Rocadale
	RAILWAYS.	70 Loughborough	120 Swansea 50 50 50
Ditto ditto, reduced	300 Birming & Gloucester 100 30 14 184 14	250 Melton Mowbray 100 100 200 10 July 500 Mersey and Irwell 100 100 569 25 Oct. 13	400 Wakefield . 25 25 22 14 Jan. 750 Warrington . 20 20 22 1 Oct
Exchequer Bills, 24d per diem 23 Kingstown Railway 60 0 0 34	641 Ditto 1 Shares 25 25	100 100 323 17 July 100 100 325 17 July 100 10	100 Ditto New
New York 5 1855 934 103 5 Louisiana 5 1844, 7, 50, 2. 964 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,		2,400 Peak Forest 78 78 102 5 Dec	DOCKS. 0,1065 Commercial
### INCORPORATED BANES. 7,5	00 Chelten. & Gt. Western 100 20 15 15 15 15 16 00 Chelt. Oxford and Tring 100 5 65 65 65 65 00 Clarence 100 32 35 35 35	500 Shropshire	1,038 East Country 100 100 1114 6 Jair
	Dublin and Kingstown 60 70 70 70 70 0 0 0 0 0 0 0 0 0 0 0 0	500 Shrewsbury 125 125 280 9 Nov.	190,000 West India Stock 1062 4 Dec.
1865 95 6 New York Life and Trust 5 97 100 7,5	00 Durham S. W. Junction 20 34	647 Stratford-on-Avan	570 Folkestone Harbour 50 50 — 15,000 Ditto Bonds
COURSE OF EXCHANGE.	00 Edinb. Leith & Newha. 20 7 44 44 45 17 00 Edinburgh & Glasgow 50 10 94 94 94 11 11 12 12 12 12 12 12 12 12 12 12 12	300 Thames & Severn blk. 100 100 27 12 June 150 Do. Do. red 100 100 — 12 June 20 6001 Trent & Mersey 2 Sh. 50 50 660 324 June	52,752 St. Katharine. Stock 100 100 107 5 Jan. 0,000 Ditto Bonds
Prices reputiated Prices reputiated Prices received on Change. Printed on Change.	00 Glasg., Paisley & Ayrsh. 50 10 93 99 8, 00 Glasg., Paisley & Green. 25 4 54 54 54 54 54 54 54 54 54 54 54 54	144 Do. New	2,500 Deptford Pier 20 3 11 30 5 22
Amsterdam 12 4 12 3 — Seville 36 — [10,91] Ditto at Sight 12 2 12 04 12 1 Gibraitar p. h. d. 48 — [10,99]	0 Great North of Bug land 100 30 18 18 18	980 Warwick and Napton 100 100 200 15/Nov. 900 Worcester & Birming. 78 78 71 4 Feb. 1, 900 Wits and Berks 674 674 23 14 May 7.3	500 Hammersmith 50 50 21 10s Jan 33 Southwark w. newsmb. 634 634 2 Dec.
	9 Hull and Selby 50 20 10 10 10	900 Wyriey and Essington 125 125 75 3 Jan. 1,7 25 Wisbeach 105 105 45 5,8 05 Wey and Arun 110 110 225 1 May. 5,6	31 Southwark w. new sub. (53) 634 62 2 Dec. 60 Do. New 074 per cent. 50 50 14 12 Dec. 48 Vauxhail 704 704 23 17s Dec. 60 Waterloo 100 166 34 2 Jan. 60 Do. old Annuities of 8t. 60 60 224 18se Feb.
Dittes 25 75 25 69 — Patermo 118 02 119 199 6,600 Marsetilles 25 80 25 65 — Lisbon 5 4 534 534 534 2,100 Prankfort on Main 1522 1514 1584 Oporto 532 534 734 2,000	9 Kent Railway	ASSURANCE COMPANIES. 5,0	00 Do. old Annunces of 84. 60 60 224 less e reb. 00 Do. new do. of 71
Berlin car. doll. 7 Vienna eff do. 10 10 7 10 7 10 8 10 7 10 8 10 7 10 8 10 <td< td=""><td>Do. ‡ Shares</td><td>000 Albion</td><td>WATER WORKS.</td></td<>	Do. ‡ Shares	000 Albion	WATER WORKS.
Madrid 36½ 36½ 36½ 36½ 36½ 36½ 37½ 37½ Madras 1½ — 20,000 Ca/ds 36 2 Ca/ds — Calcutta — — 25,000 Barcelona 36 — New York & Philad 46½ 6 — 25,000	London and Greenwise 20 20 (8) (9) [92] [92] [93] [93] [93] [94] [94] [95] [95] [95] [95] [95] [95] [95] [95	00 British Fire 250 55 107 5 5 May 12.	Colchester
PRICES OF METALS. 7,000 6,000	London & Croydon Tr. 20 20 16 16 16 6 20,0 Do. Scrip 15 10 132 134 134 20,0	00 Eagle 50 5 51 4 Oct. 2,000	Glasgow 50 50 69 24 Jan. Grand Junction 474 466 69 24 Jan. Grand Junction 475 466 69 24 Jan. Glinburgh Joint Stock 25 25 Kent 100 100 45 2 Jan. Liverpool Bootle 220 220 326 10 Jan. New River Lond. Bridge 420 420 420 420 Water Annuities 62 24 0ct.
# s. d. 20,000 Tile do. 92 0 0 Bar ton 9 15 0 to 10 0 0 36,000 Sheets tb. 0 0 11 Do. Carg.in Wales 9 0 0 12,000	London & South, New 25 2(39) 30 43 40144 London & South, New 25 2(39) 30 43 40144 London & South, New 25 2(39) 30 43 40144 London Grand Junction 50 5 21 21 50,0 Llanelly. 100 35 47 447 47 17 3 1,000,4 Manchester and Leeds 100 50 71 69 69 7 7 5 40,0 40,0 40,0 40,0 40,0 40,0 40,0 40	00 Edinburgh Life. 100 20 3 6 3 1,500 00 Edinburgh Life. 100 10 6 13 1,500 17 European Life 20 20 21 13 13 10 Ditto New 20 2 1 28 3 10 Ditto New 5 tock 100 100 1464 7 Dec. 10 Guardian 100 27 35 5 3 11 456	New River Lond. Bridge 220 326 10 Jan.
Boltoms	Manchester and Leeds 100 50 71 694 694 40.0	900 Guardian 100 274 38 5 July 450 900 Hercules 10 50 5 6 686 Sep. 100 Hope 50 5 6 686 Sep.	Water Annuities
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others 6s. less. P.4.1 fon 15 0 0 12,000	North Midland 100 50 55 55 55	100 Law Life 100 10 29 16s April 53	ROADS.
Foreign - Banca, bd. cwt. 3 18 0 STEEL, Brit Blistered, various duty 50s. Straits, bd., cwt. 3 16 0 gnalit.) ton 25 0 0 to 45 0 0	North Union 100 100 744 744 744 3,00 Do. New 40 644 644 644 31.00	Liverp. Marine Assur	3 Archw. and Kent Tn. 30 30 224 14 1 A7 0 Barking. 190 100 224 14 1 A7 0 Commercial 190 106 75 5 1 A7 0 Do. East India Dock Br. 100 106 3 3 1 A7 2 Great Dover Str. 70 1 14 A7
Blass, Brit. Pig	Preston and Wigan 20 35 35 35	0 National Life 100 5 10 8 July 2,38	A Highgate Archway 39/8 2 — 24 New North Rd. Stock 100 100 —
Red ism 23 0 0 Per cent. Milan bd. ton 30 0 0 1,000	Do. # Shares 50 50 2,50 50uth Durham 50 2+ # # # 100,00 50shefield & Rotherham 25 22+ 689,22	0 Royal Exchan, Stock	Adelaide Gal. of Science 50
Lithargs fon 23 0 0 English Sheets 29 0 0 25,000 5	South Western (Steph.) 50 1 1 1 1	Sun 210 Dec.	Russell 25 25 5
BIGH WATER AT LONDON BRIDGE, from Dec. 15 to 21. Satur. Sunday. Mond. Tuesd. Wedn. Thurs. Friday	Sheffie'd & Rotherham South Eastern 50 9 3 3 3 250,00 South Midland 50 1 2 4 2 250,00 South Western (Steph.) 50 1 2 4 2 250,00 Warrington & Newton 100 100 50 Westminster&Greenw 50 5 44 44 45 5,00 Westminster&Greenw 50 2 2 4 5 6,00 Westminster&Greenw 50 2 2 5 6,00 West Durham 20 4 1 1 1 50,00 Fork & North Midland 50 30 20 20 30 8,00	© University Life 100 5 . 5 July Long 0 University Life 100 5 . 5 July the	on: Printed and Published by Hanny English, Proprietor, at his Office, No. 12, Gough-square, et-street, in the city of London; where all Com-
Matur. Sunday. Mond. Tuesd. Wedn. Thurs. Priday 5,000 to 1 1 14 1 35 2 35 3 17 4 0 4 42 6,000 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	are a source androne sol sol sola 10%	Wast of Sectiand 10 mu for	warded, postpaid.—Saturday, Dec. 15, 1888.